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Sent: Wednesday, May 18, 2016 4:35 PM

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Subject: Monthly Technical Submittal April 21, 2016 - May 18, 2016

Linked below is the written monthly technical summary for April 21, - May 18, 2016. Summaries are due the third Wednesday of each month. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the letters from NMED dated July 10, 2014, April 27, 2015, May 8, 2015, and August 12, 2015 regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 6*, approved on May 16, 2016.

Click on the link below to download the associated file using your web browser.

[NMED monthly written submission May18, 2016.pdf](#)

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NMED / LANL Technical Summary

April 21, 2016 – May 18, 2016

Participants:

- New Mexico Environment Department: Neelam Dhawan and Siona Briley.
- LANL – NNSA- Los Alamos Field Office: Jordan Arnswald
- LANL – Los Alamos National Security: Mark Haagenstad, Luciana Vigil-Holterman, Felicia Naranjo, Lydia Martinez and Cathy Juarez.

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (55 SWBs and 4 overpacked POCs).
 - All containers remain in the 375 Permacon.
- **Monitoring - Daily Temperature**
 - Temperatures are currently below 75°F.
 - Previous 28 days' temperature data attached .
- **Monitoring – Visual Inspections**
 - No abnormal conditions were observed.
- **Monitoring – headspace gas (HSG)**
 - Containers (SWBs) 68685 and SB50522 continue daily head space gas (HSG) sample collection.
 - April 20, 2016 – May 17, 2016 HSG data (H₂, CO, CO₂ and N₂O) attached.
 - Other containers:
 - A minimum of once per month HSG sampling will be conducted from SWBs that are still closed or 55- gallon waste containers.
 - Through May 17, 2016, LANL has completed HSG sampling for the month on 32 containers. Thirteen of these samples were collected from 55-gallon waste containers.
 - May 2016 HSG data (H₂, CO, CO₂ and N₂O) attached.
- **Additional measures currently underway**
 - Twice-weekly HSG sample collection on five other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste).
 - HSG data (H₂, CO, CO₂ and N₂O) attached for April and May, 2016.
 - Graphical depictions of HSG data are attached for the two containers required to be sampled daily and the five other SWB overpacks that are currently sampled twice weekly as additional measures.
 - CO₂ values are adjusted by the quantity of CO₂ in the field blank (i.e., the amount of CO₂ in the air when the sample is taken is subtracted from the CO₂ reading within the container). No other adjustments are made to the data.

- Additional HSG samples have been collected to support SWB lid removal activities and pressure relief valve and supplemental filtration as described in the LANL Isolation Plan, Revision 6. These data are included in the data attached.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
 - Currently, no further movements or re-packaging are occurring.

Other:

Next Call: Wednesday, June 15, 2016

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	---	Complete June 5, 2014
2.	Keep NMED informed on the status of on-going chemistry / analytical work.	LANL	---	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 350 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	---	Complete July 6, 2014 (Discussion on call) July 18, 2014 (Meeting held)
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	---	Complete June 5, 2014
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	---	Complete July 3, 2014
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	---	Complete June 17, 2014 (Supplemental Info provided July 3)
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	---	Complete July 3, 2014
9.	Provide copy of CCP/LANL Interface Document.	LANL	---	Complete June 9, 2014
10.	Provide a list of the analytes for which LANL is sampling HSG (CO ₂ and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO _x .	LANL	---	Complete June 16, 2014

	Requested Information	Actionee	Status	Completion Date
12.	Follow-up with Tim Hall regarding LANL Hazardous Waste Facility Permit and procedures that LANL is developing for possible future sampling of empty parent containers and unremediated nitrate salt-bearing containers at LANL.	LANL	---	<p>Complete</p> <p>Empty Parent June 16, 2014</p> <p>Unremediated August 14, 2014 (Supplemental information discussed on sampling of parent containers)</p> <p>August 26, 2014 (Letter on applicability of LANL HWFP for opening waste containers)</p>

	Requested Information	Actionee	Status	Completion Date
13.	<p>Respond to NMED email request for information associated with the nitrate salt-bearing parent and daughter waste containers.</p> <p>WIPP Recovery Daily Meeting Action List item #84 – NMED requested a copy of the LANL remediation records for waste stored in Panel 6 (Trais Kliphuis) – is a subset of the information in item 5 of this action.</p>	LANL	---	<p>Complete</p> <p>July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request)</p> <p>July 17, 2014 (Letter sent with updated spreadsheet)</p> <p>August 7, 2014 (First submittal in response to item 5)</p> <p>August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5)</p> <p>August 18, 2014 (Third submittal in response to item 5)</p> <p>August 21, 2014 (Fourth submittal in response to item 5)</p> <p>August 27, 2014 (Fifth submittal in response to item 5)</p> <p>September 4, 2014 (Sixth submittal in response to item 5)</p> <p>September 9, 2014 (Seventh submittal in response to item 5)</p> <p>September 11, 2014 (Eighth submittal in response to item 5)</p> <p>September 22, 2014 (Ninth submittal in response to item 5)</p> <p>September 23, 2014 (Tenth submittal in response to item 5)</p> <p>October 1, 2014 (Eleventh submittal in response to item 5)</p> <p>October 8, 2014 (Twelfth submittal in response to item 5)</p> <p>October 16, 2014 (Thirteenth submittal in response to item 5)</p> <p>October 23, 2014 (Fourteenth submittal in response to item 5)</p> <p>October 27, 2014 (Fifteenth submittal in response to item 5)</p> <p>October 28, 2014 (Sixteenth submittal in response to item 5)</p> <p>November 3, 2014 (Seventeenth submittal in response to item 5)</p>

	Requested Information	Actionee	Status	Completion Date
14.	NMED will review the Round Sheets (provided in June 11 summary) and inform LANL if these should be attachments to the Revised Plan, or if they fall under the provision in Section I of the Revised Isolation Plan and their identification during this technical call is sufficient.	NMED	NMED has reviewed Round Sheets – no comments / direction at this time. NMED will address any comments in their formal response to Revised Container Isolation Plan.	Complete June 23, 2014
15.	NMED has requested ‘copies of any waste processing, treatment, characterization stop orders issued since Feb 14, 2014.’	LANL	---	Complete June 13, 2014 (Included w/ daily summary) June 16, 2014 (Discussed current TA-54 & WCRRF operations)
16.	NMED requested information on the location of drums 68327 and 68328. Request made June 14.	LANL	---	Complete June 14, 2014
17.	Update on LANL efforts – including LANL teams. (On June 20 call, LANL offered to schedule an update meeting).	LANL / NMED	---	Complete July 2, 2014
18.	Neutralizer use in association with container S855793 (parent of 68660 and 68685).	LANL	---	Complete June 25, 2014
19.	List of nitrate salt-bearing waste containers that LANL records indicate contain absorbed liquids with the same neutralizer, as discussed during June 25 technical call.	LANL	---	Complete September 30, 2014 (with August 26, 2014 response)
20.	Schedule follow-on update on LANL efforts – including teams.	LANL / NMED	---	Complete August 14, 2014 (Meeting held)
21.	NMED requested information on document approval / review (as discussed on July 3 call).	LANL	---	Complete July 29, 2014
22.	What analyses will be conducted on samples taken from empty drums that previously contained nitrate salt-bearing waste.	LANL	---	Complete July 7, 2014
23.	NMED requested the following information on cemented waste containers generated from TA-55, that are currently stored above-ground at Area G: container id number; location; form (cans or monoliths); and type of concrete. Additionally, NMED requested information on pH adjustment during waste generation process, and information on anticipated pH of free liquids (and rationale).	LANL	---	Complete July 17, 2014 (Letter sent w/ information) July 18, 2014 (Meeting held)

	Requested Information	Actionee	Status	Completion Date
24.	NMED requested the procedure for sampling empty parent drums that previously contained nitrate salt-bearing waste.	LANL	EP-AREAG-WO-DOP-1245 is included in Enclosure 1 to LANL's July 3, 2014 <i>Response to Request for Information on Management of Waste at LANL.</i>	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO ₂ , including data.	LANL	---	Complete August 14, 2014 (Meeting held)
26.	NMED requested additional discussion on CIN-01 waste containers and absorbent, including confirmation and extent of use.	LANL	---	Complete July 18, 2014 (Meeting held)
27.	NMED requested historic analytical information on pH of liquids associated with gypsum cemented waste.	LANL	---	Complete August 7, 2014
28.	NMED requested link to pdf of Actinide Quarterly edition (3 rd Q 2008).	LANL	---	Complete July 21, 2014
29.	NMED requested a copy of lessons learned	LANL	---	Complete August 11, 2014
30.	NMED request regarding empty drum sampling presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
31.	Respond to NMED email request dated 8/12/2014 for information associated with the nitrate salt-bearing waste containers.	LANL	---	Complete September 11, 2014
32.	NMED request regarding technical presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
33.	NMED request regarding literature review of catalytic reactions.	LANL	Literature review is a pre-decisional draft/working document not for external release	August 25, 2014
34.	LANL requested to schedule a meeting with NMED on remediation planning and schedules.	LANL / NMED	---	Complete September 29, 2014 (meeting held)
35.	Schedule a third update on LANL efforts – including teams.	LANL / NMED	---	Complete October 20, 2014

	Requested Information	Actionee	Status	Completion Date
36.	NMED request regarding LANL Causal Analysis associated with processing of nitrate salt-bearing waste at WCRRF – when document is Final.	LANL	Document is currently Draft and will remain draft.	Closed November 19, 2015 Meeting with NMED-HWB personnel discussed that information in the Technical Assessment Report and the DOE Phase II Investigation Report were sufficient for closure.
37.	NMED requested a diagram illustrating the current locations within the 375 Permacon of the 55 SWBs that contain the 57 remediated nitrate salt-bearing waste containers. NMED also requested a list of these 55 SWBs and the waste drums within each SWB (including the container numbers and waste stream type).	LANL	---	Complete October 27, 2014 (Diagram submitted) November 3, 2014 (Table submitted) November 20, 2014 (Revised table submitted)

	Requested Information	Actionee	Status	Completion Date
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted documentation for 101-200 containers on October 10, 2014. Submitted documentation for 201-300 containers on October 16, 2014. Submitted documentation for 301-400 containers on October 23, 2014. Submitted documentation for 401-500 containers on October 27, 2014. Submitted documentation for 501-586 containers on November 12, 2014. Submitted RTR Videos 101-150 on November 12, 2014. Submitted RTR Videos 151-200 on November 20, 2014. Submitted RTR Videos 201-250 on December 1, 2014. Submitted RTR Videos 251-300 on December 19, 2014. Submitted RTR Videos 301-312 on January 15, 2015.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522.	LANL	---	Complete October 27, 2014
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft and final path has not yet been determined.	Closed. November 19, 2015 meeting with NMED-HWB personnel.

	Requested Information	Actionee	Status	Completion Date
41.	Trending and correlation of temperature and HSG monitoring data.	LANL	---	Complete November 19, 2015 HSG data modeling report to be included with the LANL Isolation Plan and graphical depictions of HSG data and temperature will be included with monthly submittals starting in December 2015.
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 20, 2014
44.	Schedule a sixth update on LANL efforts – including teams.	LANL/ NMED	---	Complete December 9, 2014
45.	NMED requested documentation regarding CIN01 drums.	LANL	---	Complete Email- February 3, 2015 Letter- February 19, 2015
46.	NMED requested documentation regarding duplicate drum number.	LANL	---	Complete May 6, 2015
47.	NMED requested the ESS plan for temperature control and sampling once finalized.	LANL	---	Closed November 19, 2015 meeting with NMED-HWB personnel.
48.	Schedule a seventh update on LANL efforts – including teams.	LANL/ NMED	---	Complete January 29, 2015
49.	Fire suppression repair plan for Dome 231	LANL	---	This repair plan is no longer necessary because drum movement did not occur during the repair process. Repair is complete.

	Requested Information	Actionee	Status	Completion Date
50.	NMED requested information regarding solution packages 36, 37, 57 and 78.	LANL	---	Complete. Email – February 17, 2015. Letter-March 19, 2015.
51.	NMED requested copies of any procedures regarding cementation in bags.	LANL	---	March 19, 2015 Confirmation that no specific procedure can be located for cementation in bags.
52.	NMED requested information on the percentage of the 55 SWBs that, based on SWB HSG data, appear to have chemical reactions occurring within the waste.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015. Email follow-up on April 20, 2015.
53.	NMED requested the document “TA-55 Cement Fixation Drum Logbook” referenced in the CCP AK document.	LANL	---	Complete. Included with April 24, 2015 Response to Request for Information.
54.	NMED requested summary sheet for HSG data.	LANL	---	Complete April 9, 2015.
55.	NMED requested additional discussion on engineering options for cooling in Summer months.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015.
56.	NMED requested references in Technical Assessment Team report Waste Isolation Pilot Plant (WIPP): Chemical Reactivity and Recommended Remediation Strategy for Los Alamos Remediated Nitrate Salt (RNS) Wastes.	LANL	---	Complete April 9, 2015.
57.	Schedule an eighth LANL update meeting to continue technical discussions associated with remediation options, planning and other topics of interest.	LANL/ NMED	---	Complete April 16, 2015.

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	68685				69553				69615				69616				SB50069			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16	124	212	3545	782																
04/21/16	141	214	3934	876	186	427	8497	1058	118	288	5725	310	326	417	7084	1170	494	764	13740	1745
04/22/16	81	126	2211	577																
04/23/16	144	218	4207	922																
04/24/16	140	198	4003	878																
04/25/16	144	200	4113	914	179	382	8645	1014	116	262	5591	269	303	360	6674	1105	537	789	14993	1895
04/26/16	134	211	3864	874																
04/27/16	140	191	4084	875																
04/28/16	130	186	3729	860	179	402	8291	999	112	244	4942	227	324	389	7059	1179	512	755	14131	1819
04/29/16	144	233	4187	940																
04/30/16	129	192	3752	940																
05/01/16	142	220	3883	912																
05/02/16	141	212	4000	917	189	427	8694	1081	112	252	5382	295	317	427	6838	1191	507	804	14543	1887
05/03/16	134	208	3908	918																
05/04/16	145	196	4128	899																
05/05/16	138	214	4122	932	186	428	8688	1080	119	278	5468	278	334	439	7308	1191	542	845	15385	1940
05/06/16	143	219	4175	901																
05/07/16	144	199	4248	910																
05/08/16	142	229	4320	988																
05/09/16	133	211	4110	896	187	408	8719	1036	120	323	5810	300	325	424	7389	1236	530	806	14940	1960
05/10/16	133	204	3970	925																
05/11/16	152	234	4426	1049																
05/12/16	138	227	4265	1019	186	431	9088	1114	117	283	5884	336	336	447	7737	1290	530	837	15596	2049
05/13/16	153	232	4503	1044																
05/14/16	150	228	4483	1038																
05/15/16	143	203	4079	949																
05/16/16	141	200	4493	1016	161	381	7945	968	107	251	5100	257	332	429	7586	1276	548	862	15850	2060
05/17/16	138	211	4027	907																

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50452				SB50522				68430				68507				70503 (68540/68553)			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16					583	518	20459	1223												
04/21/16	591	472	6395	1096	595	488	22489	1326									20	0	677	39
04/22/16					625	468	22346	1306												
04/23/16					653	544	25248	1564												
04/24/16					636	496	24603	1433												
04/25/16	652	470	6883	1138	629	473	23670	1357												
04/26/16					620	517	23895	1531												
04/27/16					644	516	24535	1387												
04/28/16	686	496	6837	1148	584	465	21943	1306												
04/29/16					638	527	24643	1491												
04/30/16					629	510	25323	1546												
05/01/16					646	511	24590	1496												
05/02/16	587	441	5939	1006	606	490	22924	1358												
05/03/16					598	520	24401	1484												
05/04/16					637	497	23920	1449												
05/05/16	673	489	6763	1144	592	488	23096	1380												
05/06/16					633	529	25205	1544												
05/07/16					637	502	23929	1424												
05/08/16					633	539	24732	1486												
05/09/16	717	536	7284	1208	619	502	24621	1449												
05/10/16					616	521	24657	1503	179	208	3332	655	68	53	864	105				
05/11/16					622	507	24765	1507												
05/12/16	648	513	7320	1251	627	520	25644	1538												
05/13/16					676	552	26718	1587												
05/14/16					648	538	25376	1525												
05/15/16					677	547	26629	1608												
05/16/16	728	514	7158	1196	681	579	27669	1659												
05/17/16					666	537	26136	1573												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	68567				68624				68631				68638				69013			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16					40	93	812	108					12	0	276	0				
04/21/16																				
04/22/16																				
04/23/16																				
04/24/16																				
04/25/16																				
04/26/16																				
04/27/16																				
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05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16																	30	47	707	73
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16																				
05/17/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69015				69036				69298 - 69298				69445				69519			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16									563	591	6406	1004								
04/21/16													210	270	3445	343				
04/22/16																				
04/23/16																				
04/24/16																				
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04/30/16																				
05/01/16																				
05/02/16																				
05/03/16									1051	2007	32294	5288								
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16	52	56	1025	112													294	362	6103	1911
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16																				
05/17/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69520				69548 - 69548				69559 - 69559				69568				69598			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16																				
04/21/16																				
04/22/16																				
04/23/16																				
04/24/16																				
04/25/16																				
04/26/16																				
04/27/16																				
04/28/16																				
04/29/16																				
04/30/16																				
05/01/16																				
05/02/16																				
05/03/16																				
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16	90	132	1808	648													25	0	352	46
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16					21	0	2632	379	391	1150	15638	5028								
05/17/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69604				69618				69620				69630 - 69630				69633			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16					67	86	1116	125												
04/21/16					110	119	1448	188	327	323	3928	742								
04/22/16																				
04/23/16																				
04/24/16					114	84	1326	160	228	278	3445	646								
04/25/16																				
04/26/16																				
04/27/16																				
04/28/16																				
04/29/16																				
04/30/16																				
05/01/16																				
05/02/16																				
05/03/16													777	1865	35525	3310				
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16	284	347	6074	1924																
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16																				
05/17/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69634				69635				69636				69637				69638				
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	
04/20/16																					
04/21/16									217	244	4626	580									
04/22/16																					
04/23/16																					
04/24/16									225	229	4658	551									
04/25/16																					
04/26/16																					
04/27/16																					
04/28/16																					
04/29/16																					
04/30/16																					
05/01/16																					
05/02/16																					
05/03/16																					
05/04/16																					
05/05/16																					
05/06/16																					
05/07/16																					
05/08/16																					
05/09/16																					
05/10/16																					
05/11/16																					
05/12/16																					
05/13/16																					
05/14/16																					
05/15/16																					
05/16/16																					
05/17/16																					

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69639				69641				69642				69644				69645 - 69645				
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	
04/20/16	146	158	2747	167	379	437	3526	1113													
04/21/16																					
04/22/16																					
04/23/16																					
04/24/16					191	201	1823	558													
04/25/16					432	444	4224	1312													
04/26/16																					
04/27/16																					
04/28/16																					
04/29/16																					
04/30/16																					
05/01/16																					
05/02/16																					
05/03/16																					
05/04/16																					
05/05/16																					
05/06/16																					
05/07/16																					
05/08/16																					
05/09/16																					
05/10/16																					
05/11/16																					
05/12/16																					
05/13/16																					
05/14/16																					
05/15/16																					
05/16/16																					
05/17/16																	421	1197	23651	3822	

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	93605 - 93605				94068 - 94068				94227				SB02198				SB02203			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16																	96	88	1463	65
04/21/16																				
04/22/16																				
04/23/16																				
04/24/16																				
04/25/16																				
04/26/16																				
04/27/16					604	1692	30177	7190												
04/28/16																				
04/29/16																				
04/30/16																				
05/01/16																				
05/02/16																				
05/03/16																				
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16																				
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16	530	1278	18067	5823	715	1939	34792	8277												
05/17/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50073 - 69079				SB50418 - 69595				SB50431				SB50442				SB50443 - 69183			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16													215	313	3242	754				
04/21/16	664	701	6162	2002					683	392	6057	989								
04/22/16																				
04/23/16																				
04/24/16																				
04/25/16																				
04/26/16																				
04/27/16																				
04/28/16																				
04/29/16																				
04/30/16																				
05/01/16																				
05/02/16																				
05/03/16	995	2469	31138	7969													1017	1798	24998	5139
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16																				
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16																				
05/17/16					360	1047	21085	2632												

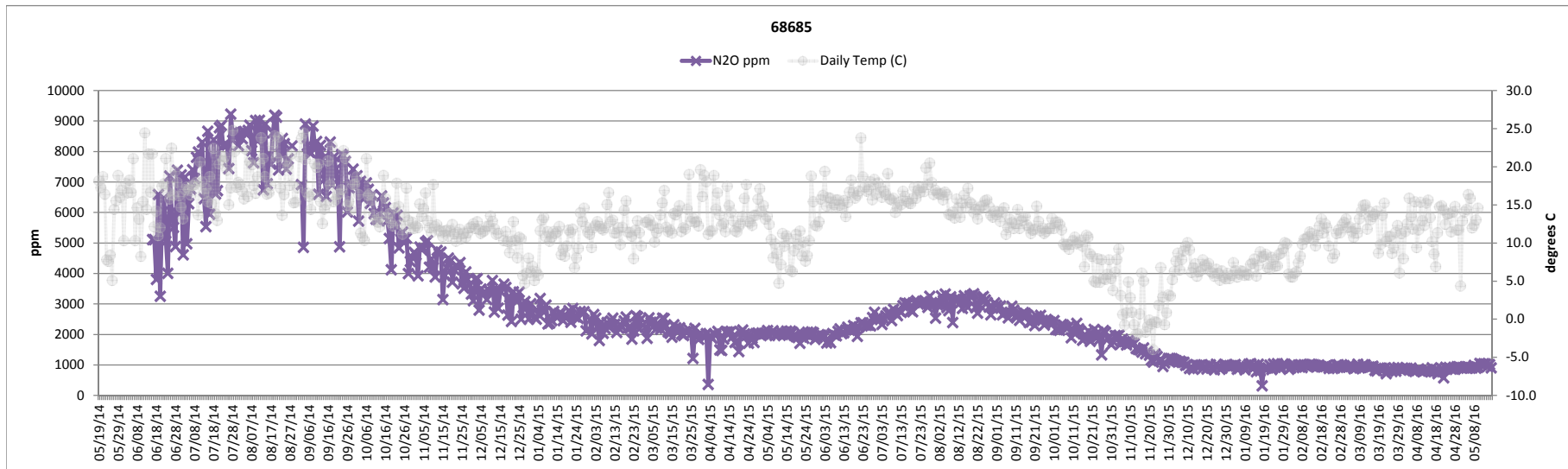
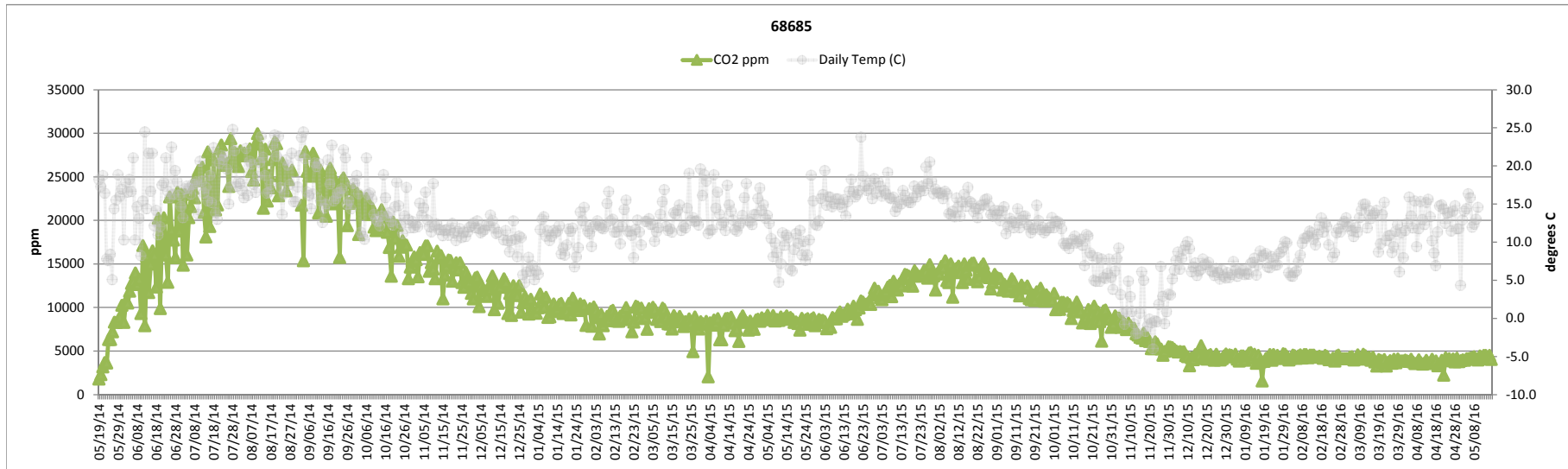
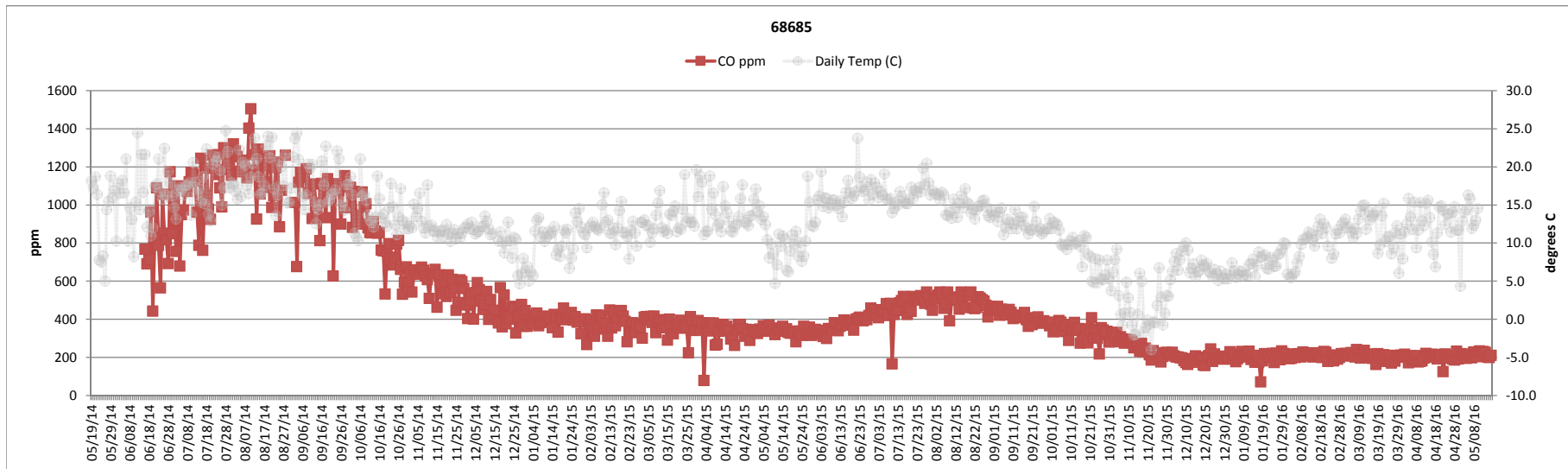
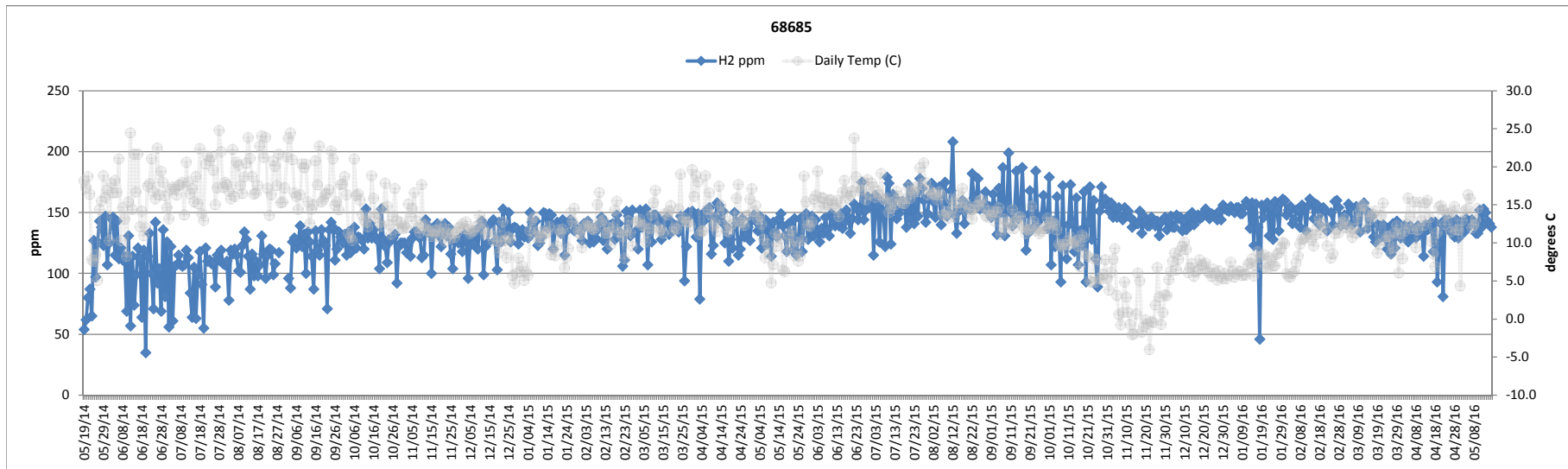
Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50448 - 69491				SB50451 - 69631				SB50529 - 68665				SB50559				87823			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16																				
04/21/16																				
04/22/16																				
04/23/16																				
04/24/16																				
04/25/16																				
04/26/16																				
04/27/16																				
04/28/16																				
04/29/16																				
04/30/16																				
05/01/16																				
05/02/16																	134	117	2728	471
05/03/16	1194	1857	27992	5030																
05/04/16																				
05/05/16																				
05/06/16																				
05/07/16																				
05/08/16																				
05/09/16																				
05/10/16																				
05/11/16																				
05/12/16																				
05/13/16																				
05/14/16																				
05/15/16																				
05/16/16	1207	1890	29274	5117																
05/17/16					299	627	10000	1330	235	535	9320	1154								

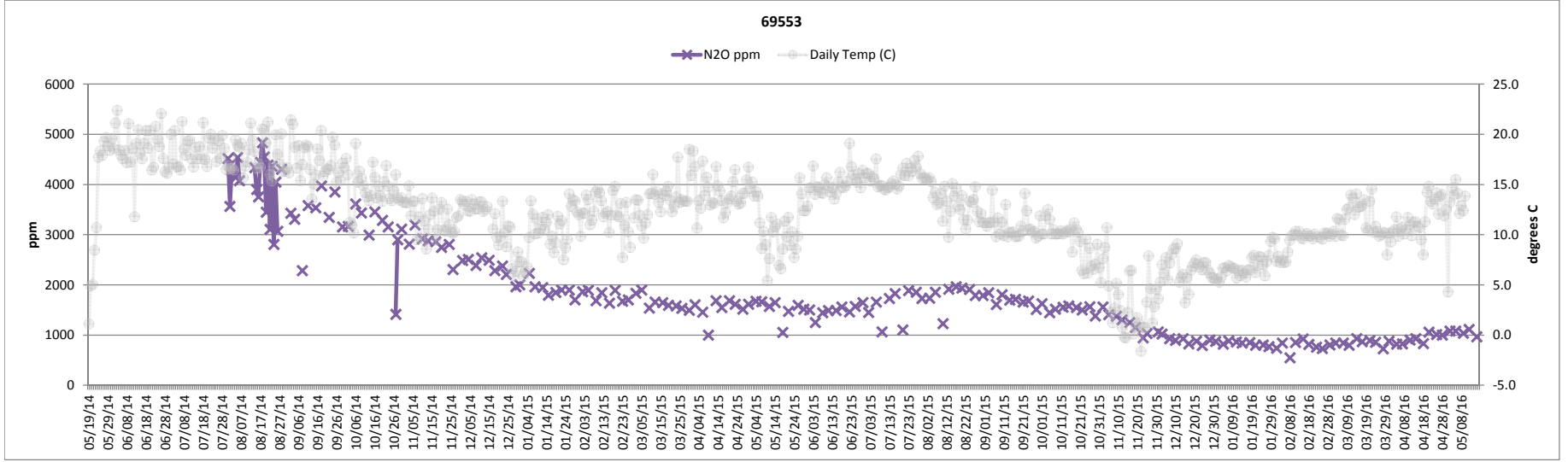
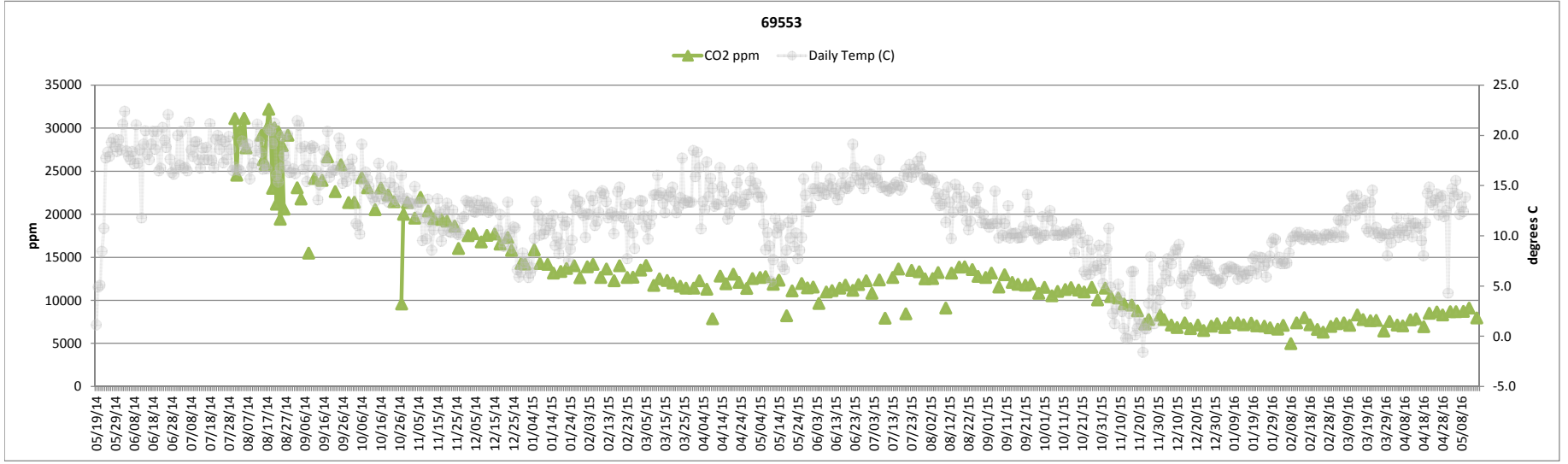
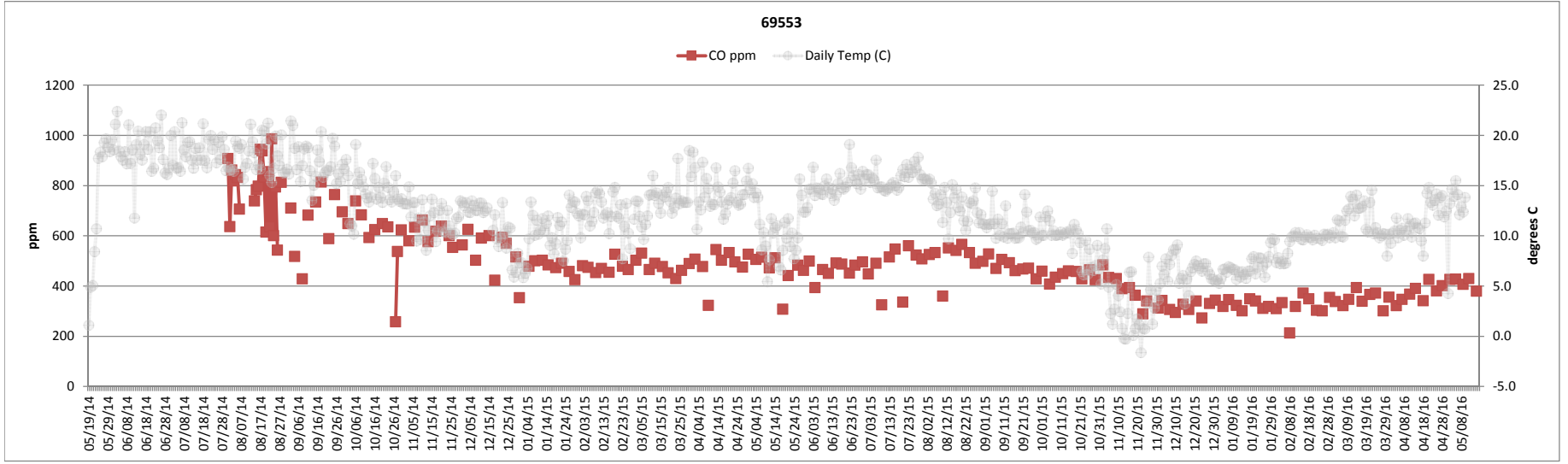
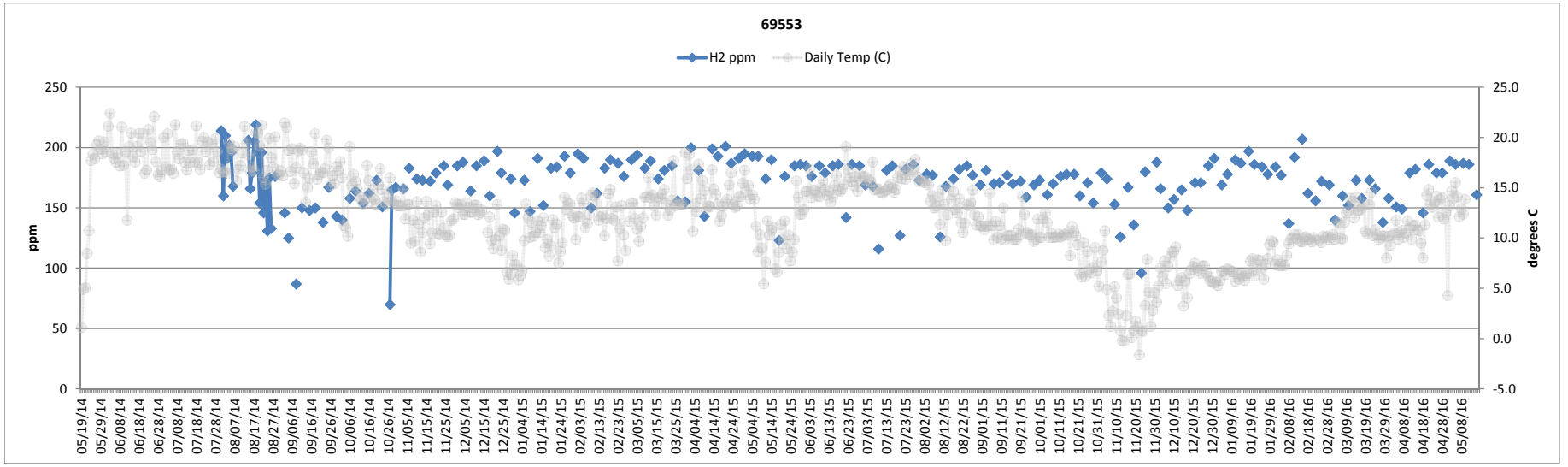
Remediated Nitrate Salt Container Headspace Gas Analysis

Date	87825				87826				87827			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
04/20/16												
04/21/16												
04/22/16												
04/23/16												
04/24/16												
04/25/16												
04/26/16												
04/27/16												
04/28/16												
04/29/16												
04/30/16												
05/01/16												
05/02/16	150	152	4494	781	162	205	6208	918	39	63	2199	254
05/03/16												
05/04/16												
05/05/16												
05/06/16												
05/07/16												
05/08/16												
05/09/16												
05/10/16												
05/11/16												
05/12/16												
05/13/16												
05/14/16												
05/15/16												
05/16/16												
05/17/16												

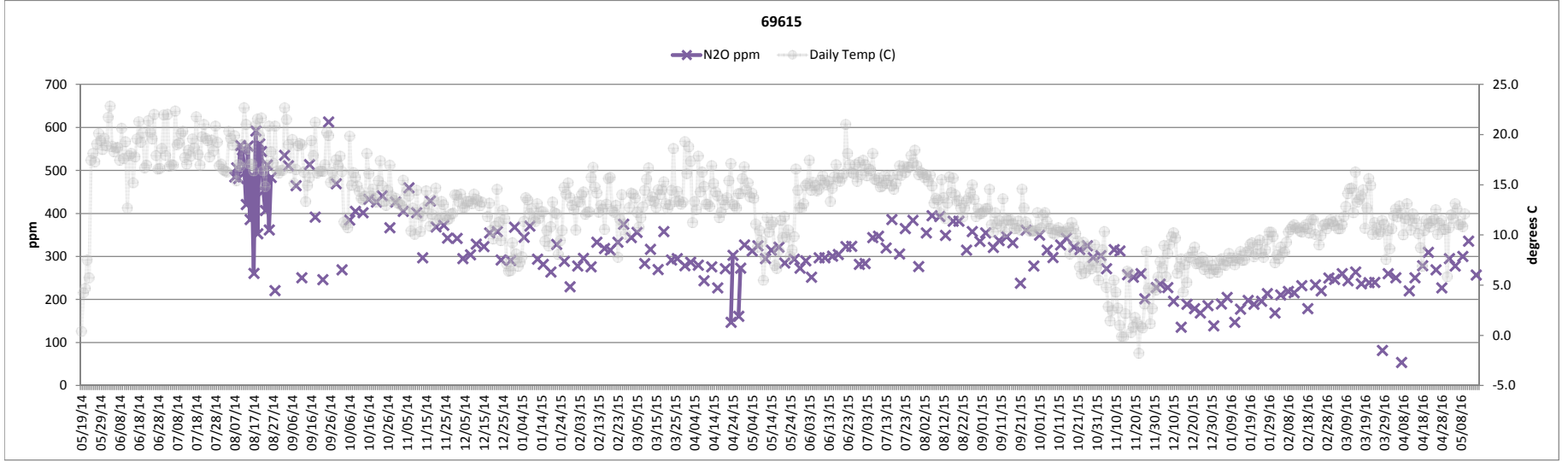
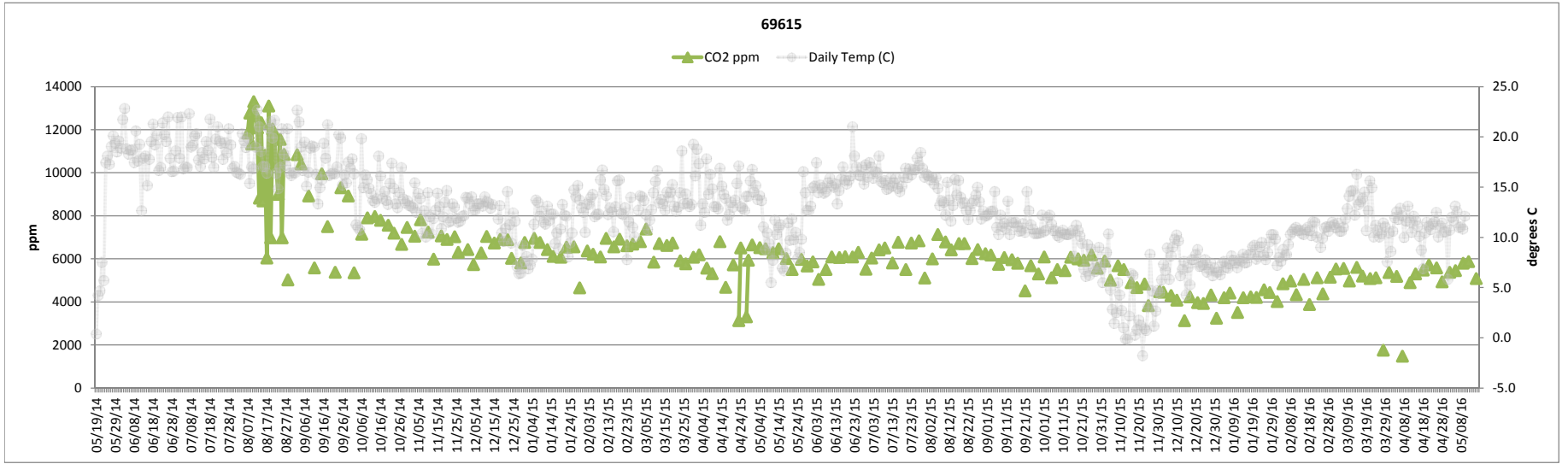
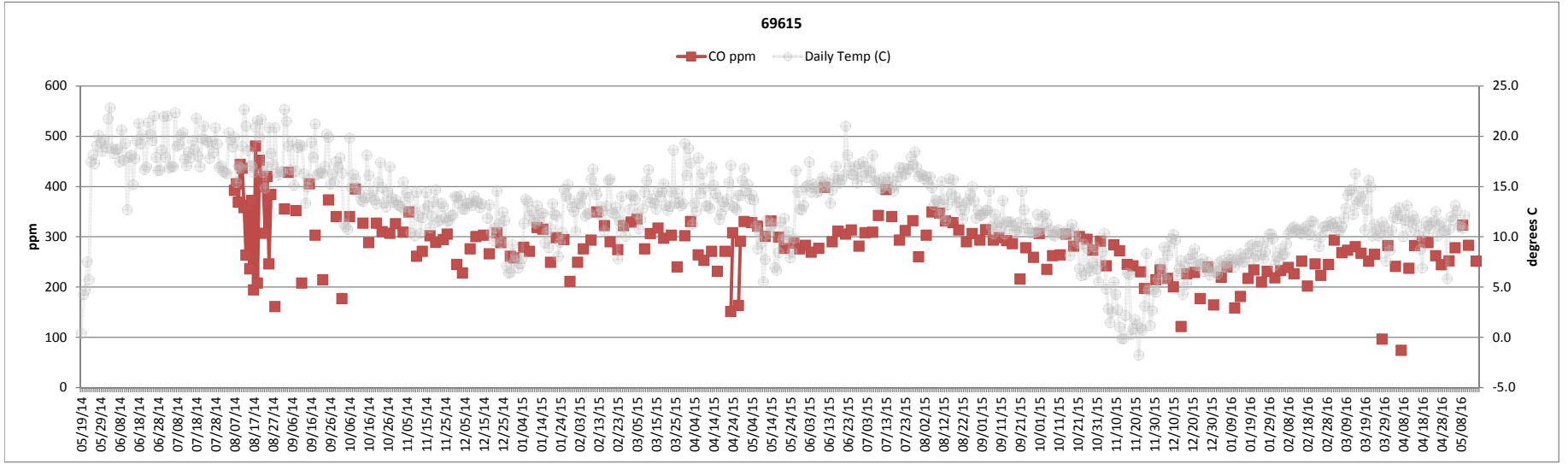
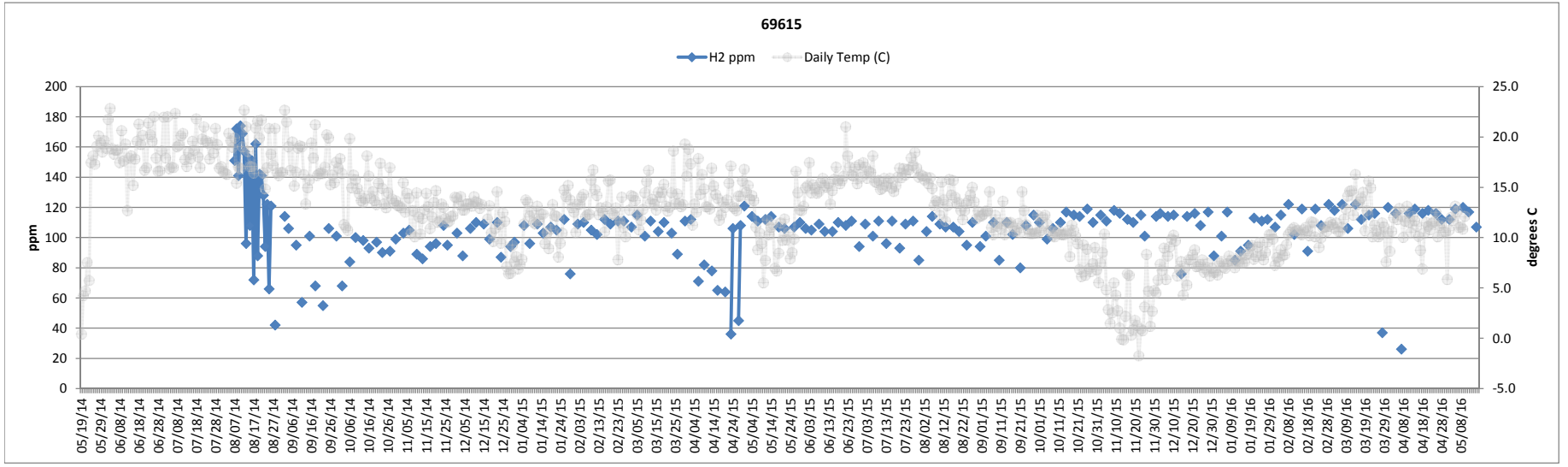
Remediated Nitrate Salt Container Headspace Gas and Temperature



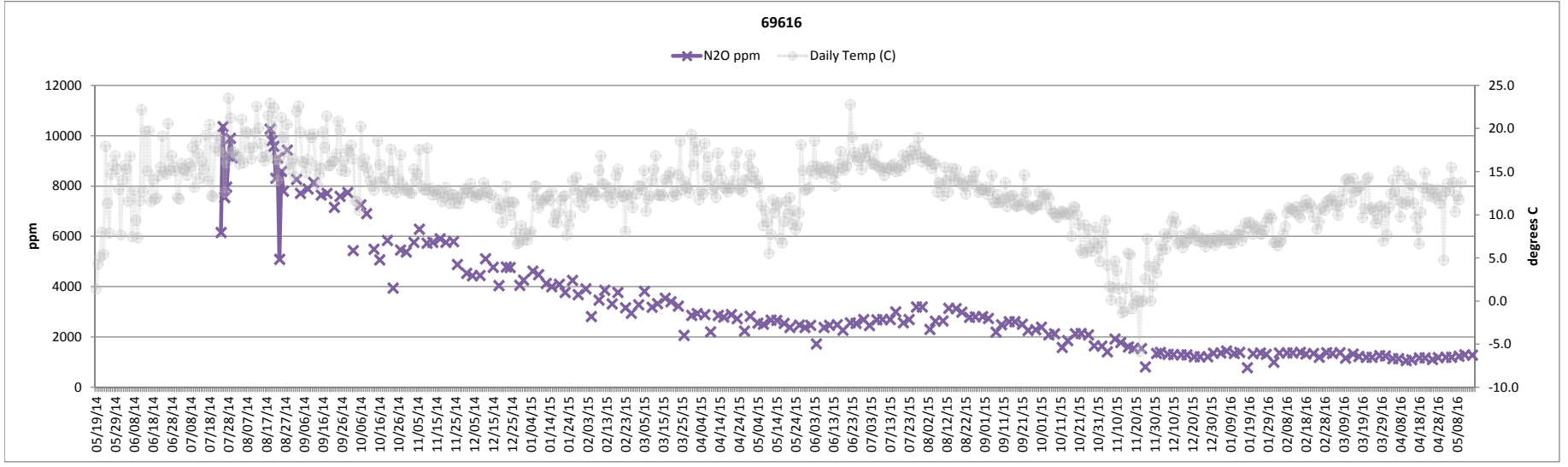
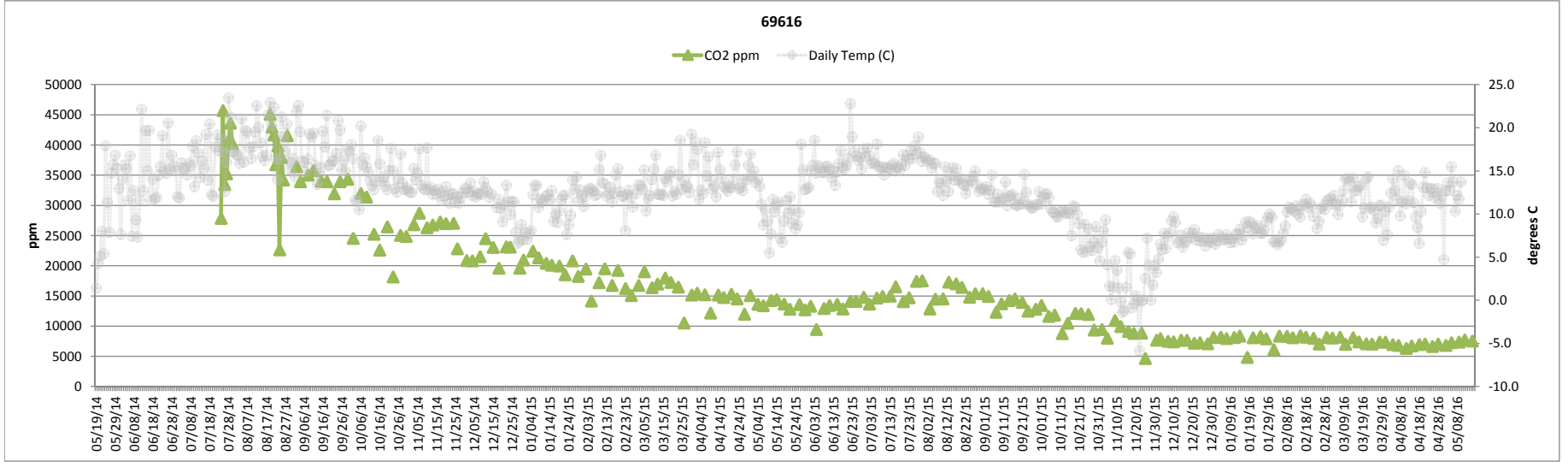
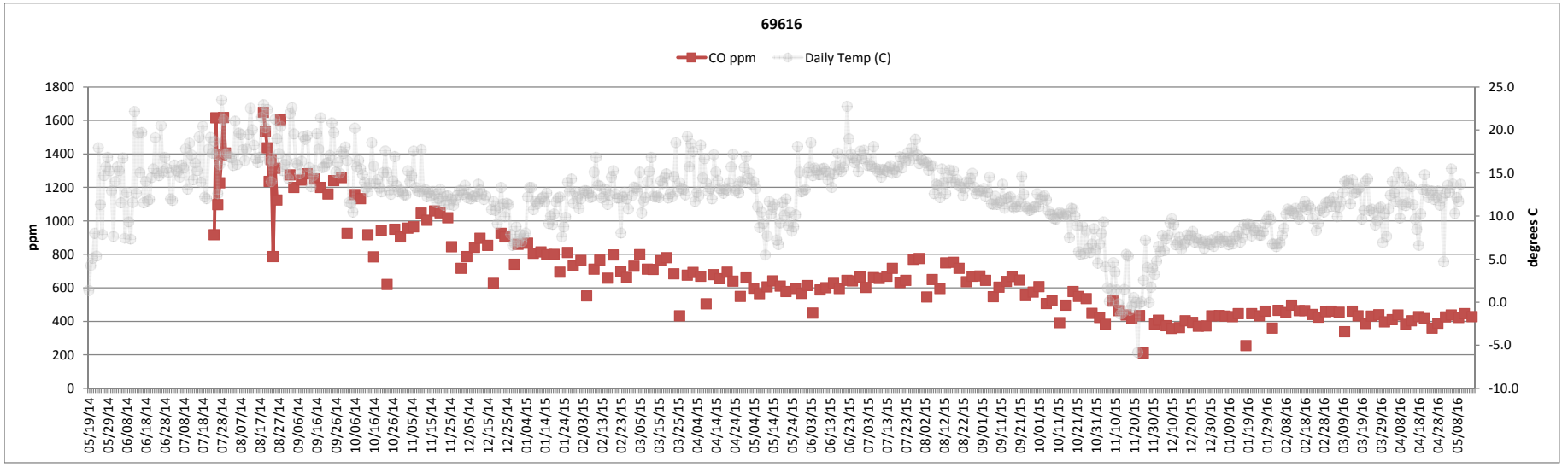
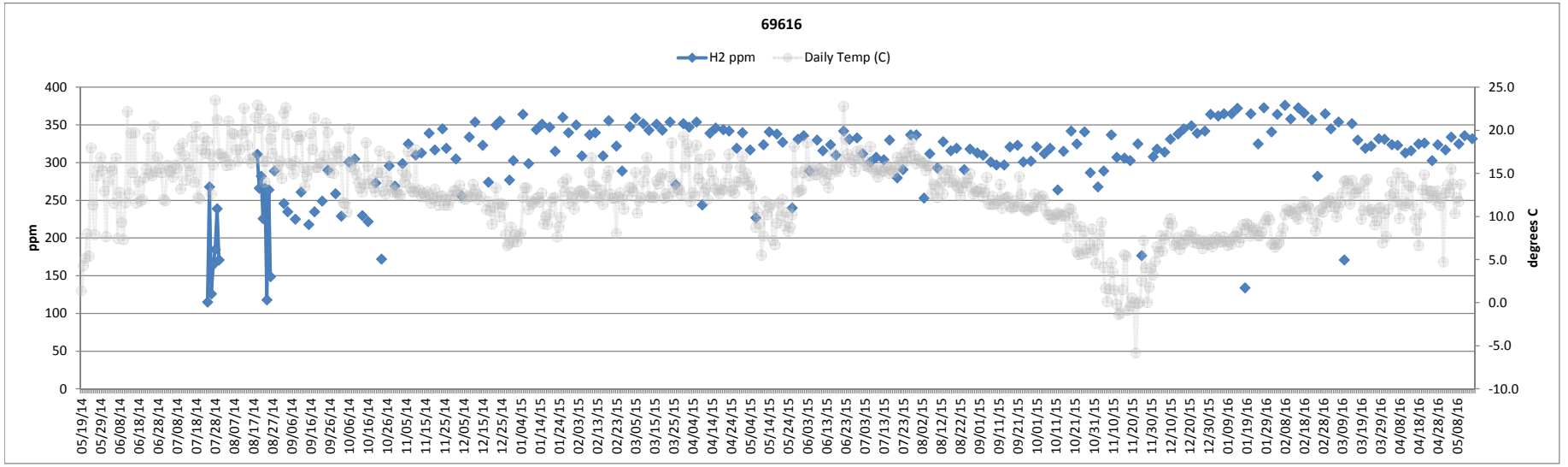
Remediated Nitrate Salt Container Headspace Gas and Temperature



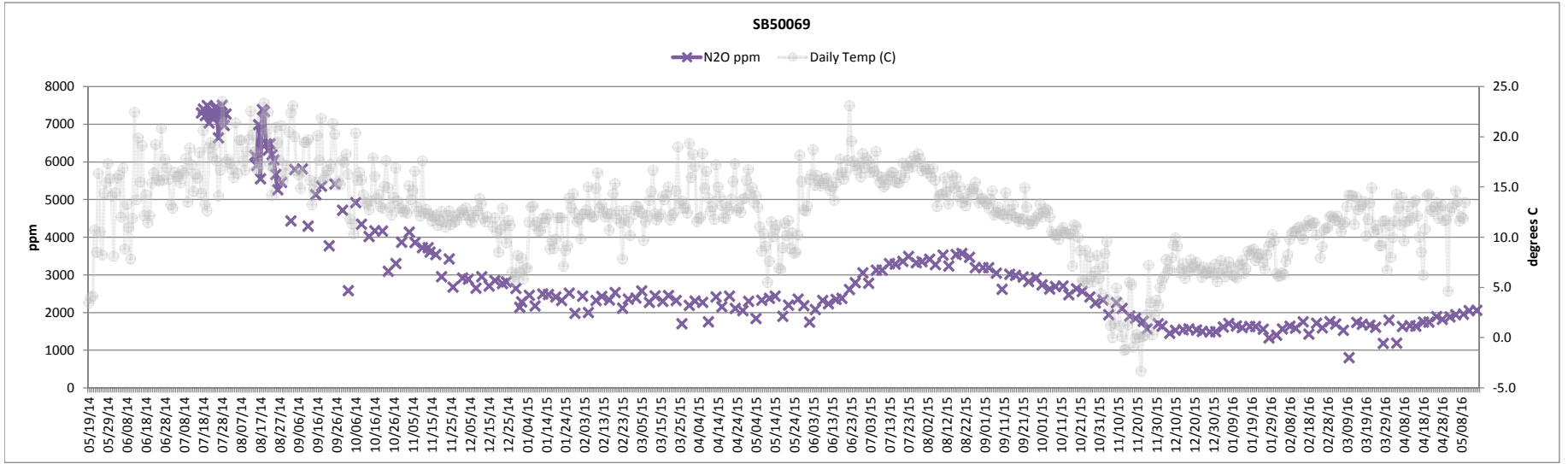
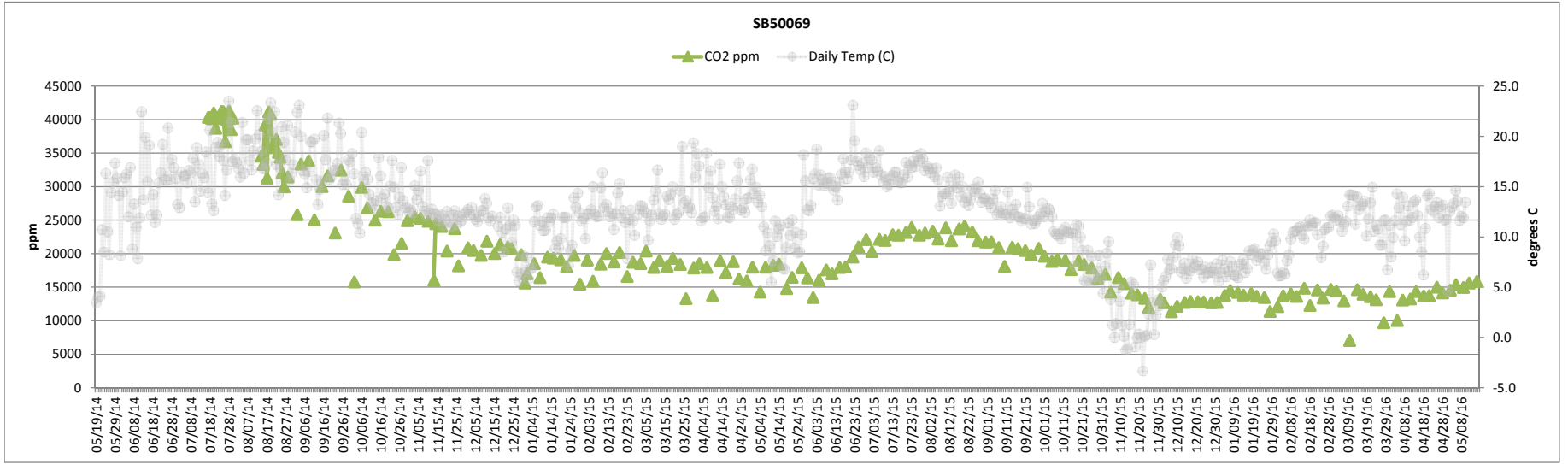
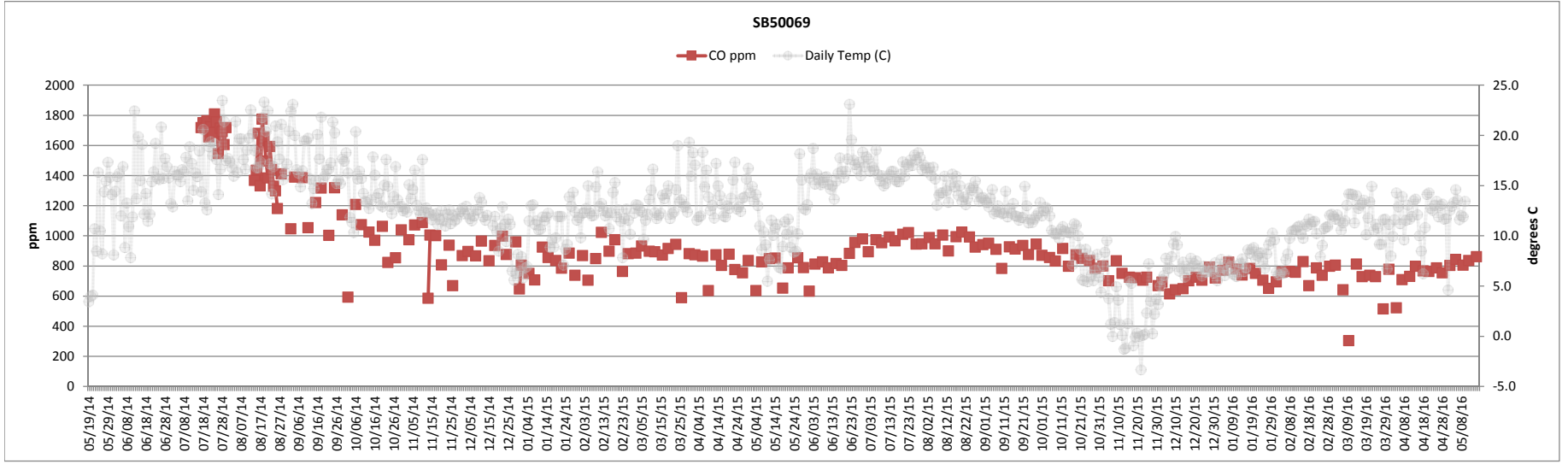
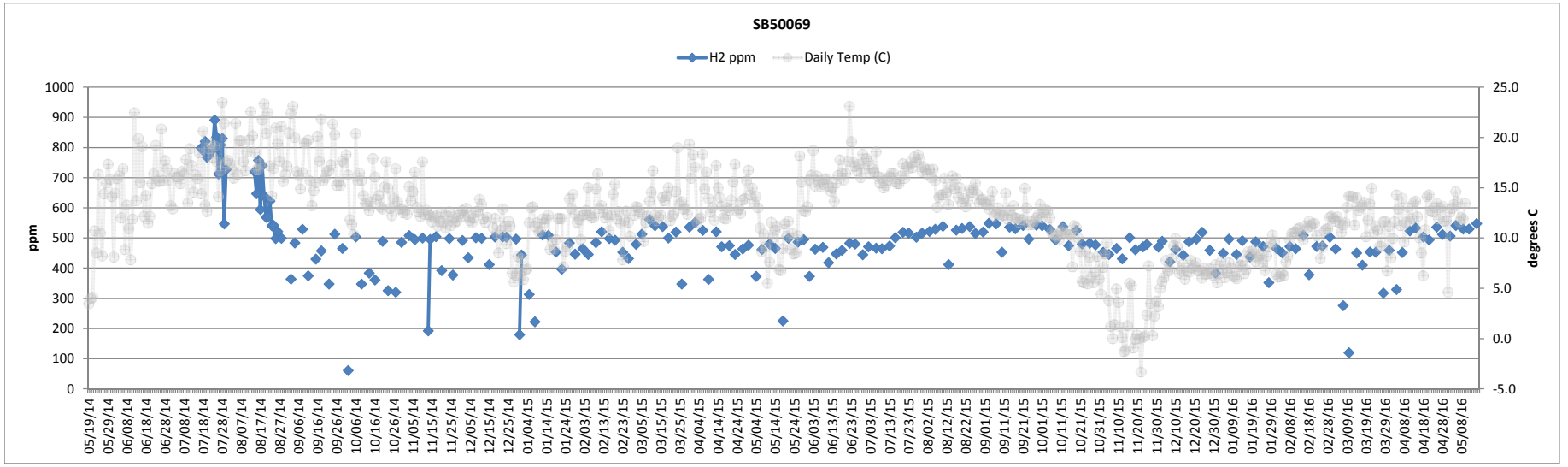
Remediated Nitrate Salt Container Headspace Gas and Temperature



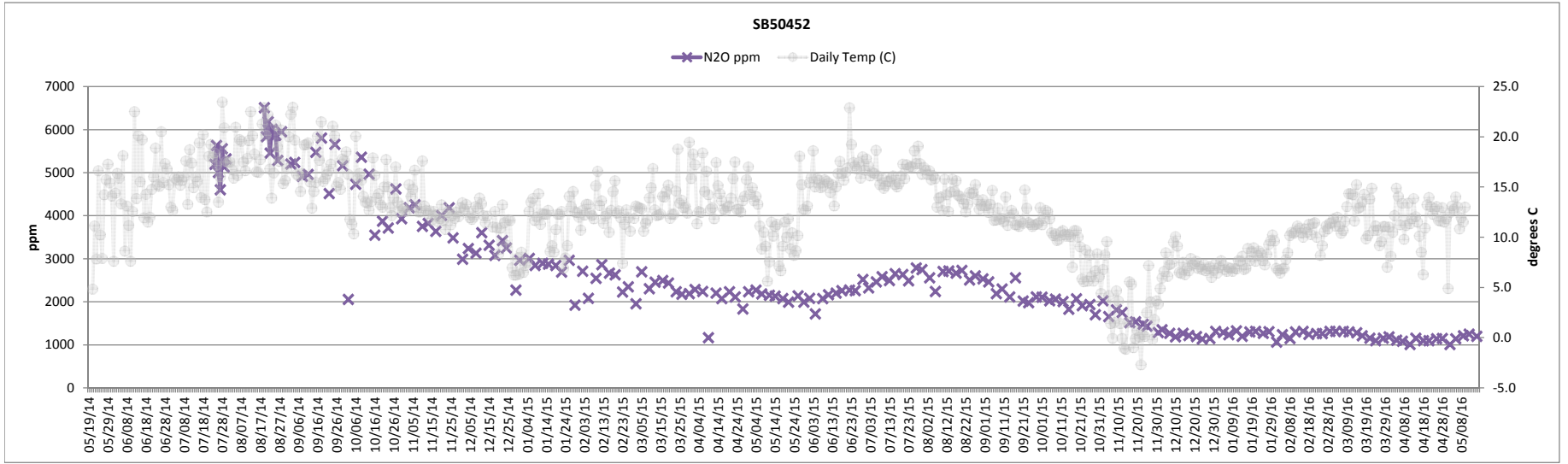
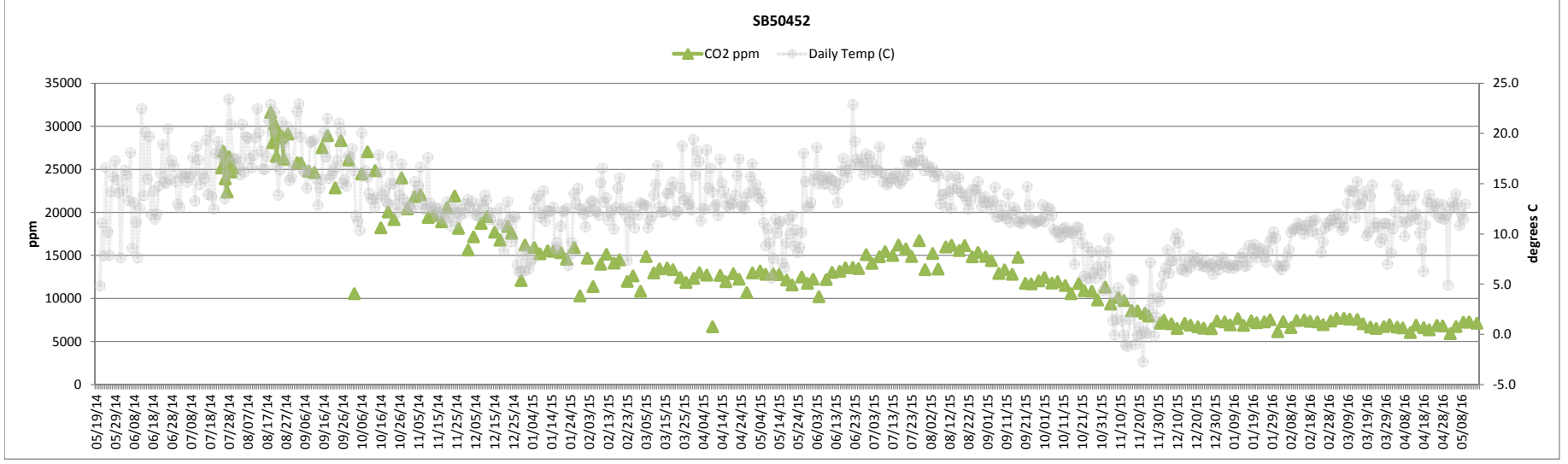
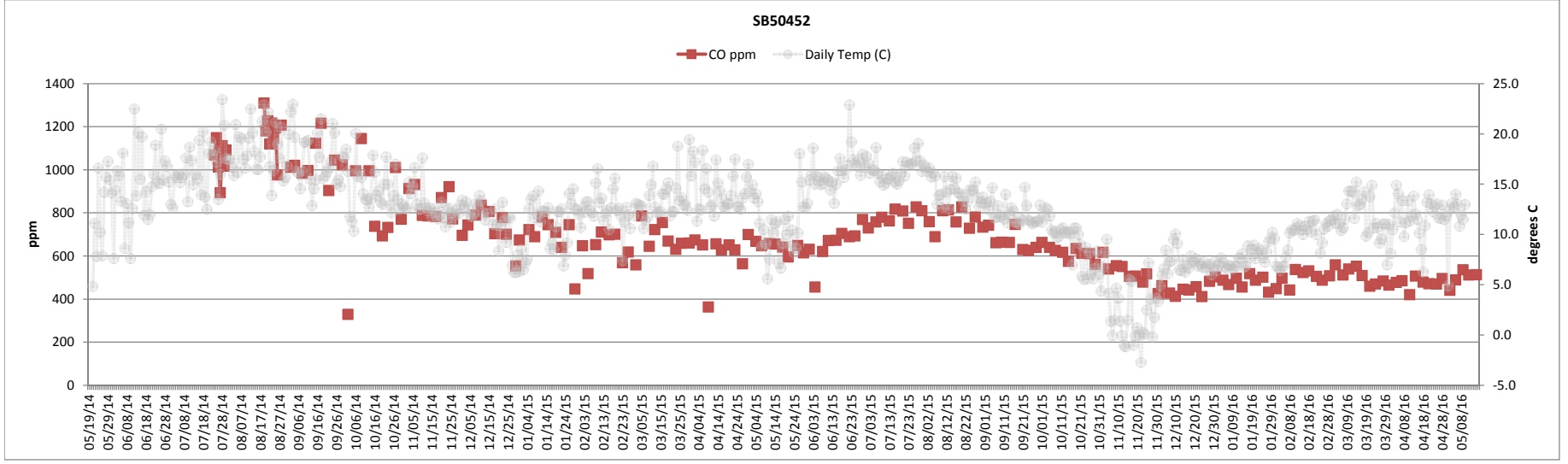
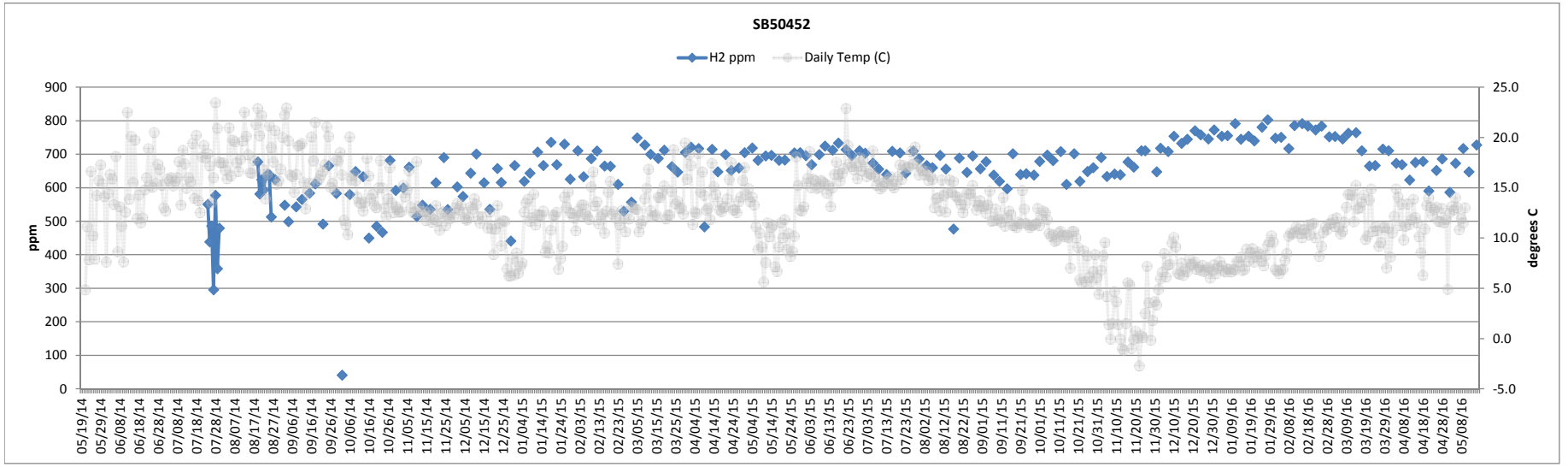
Remediated Nitrate Salt Container Headspace Gas and Temperature



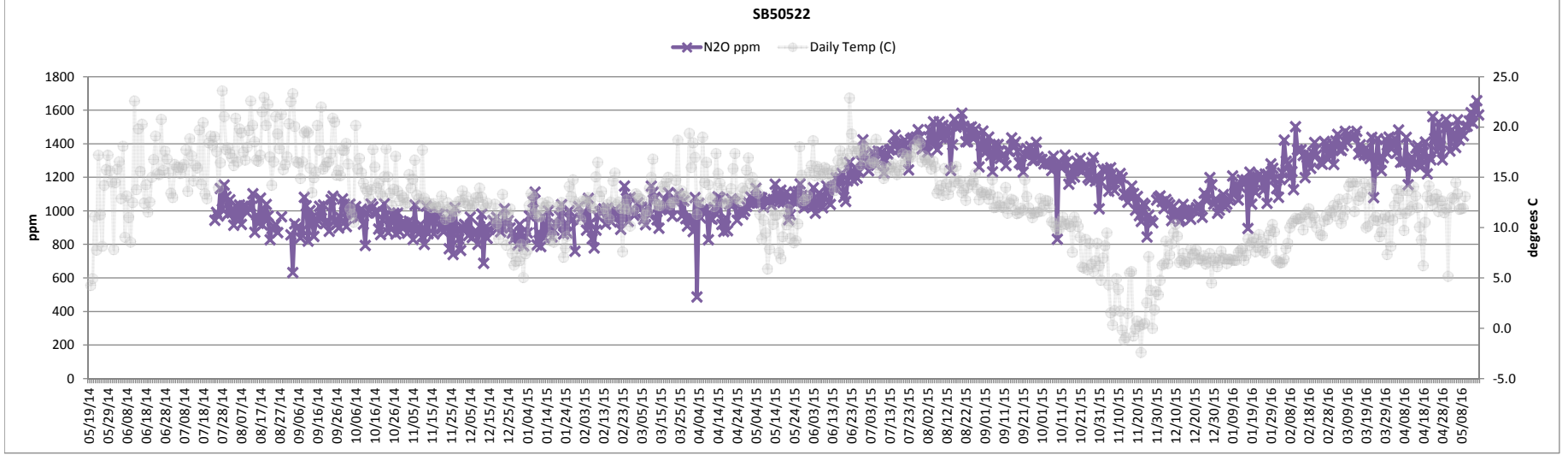
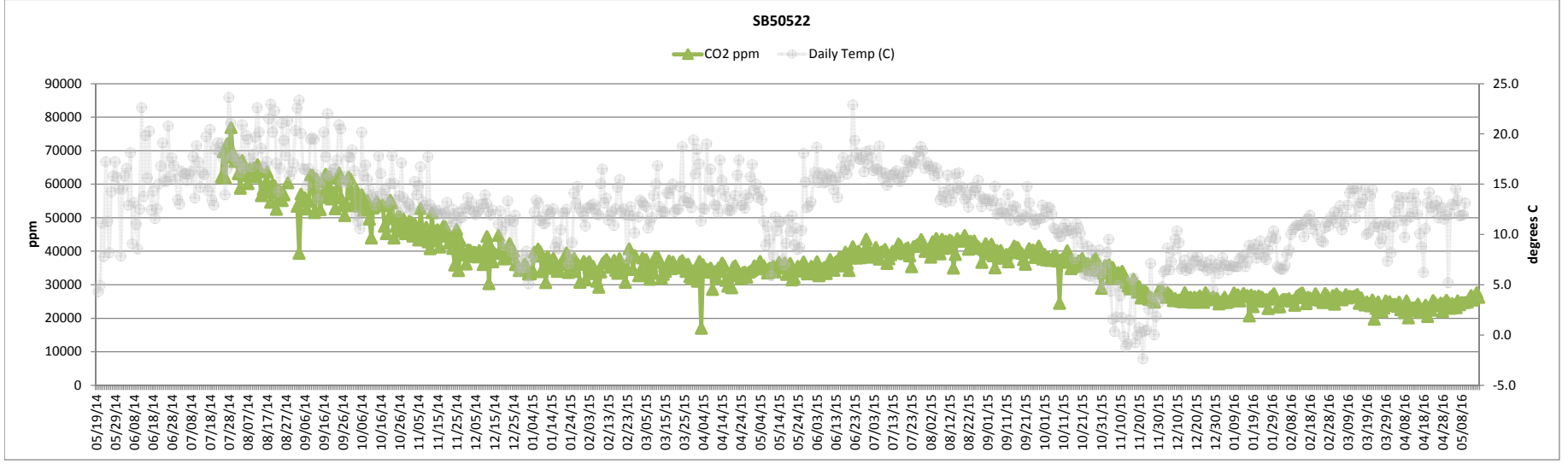
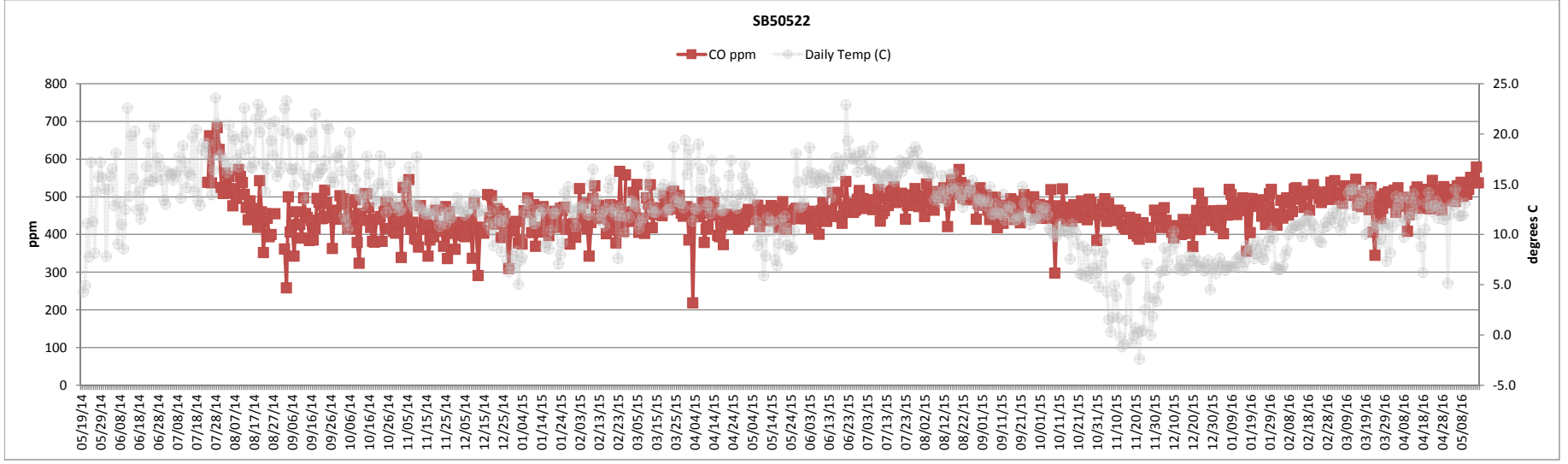
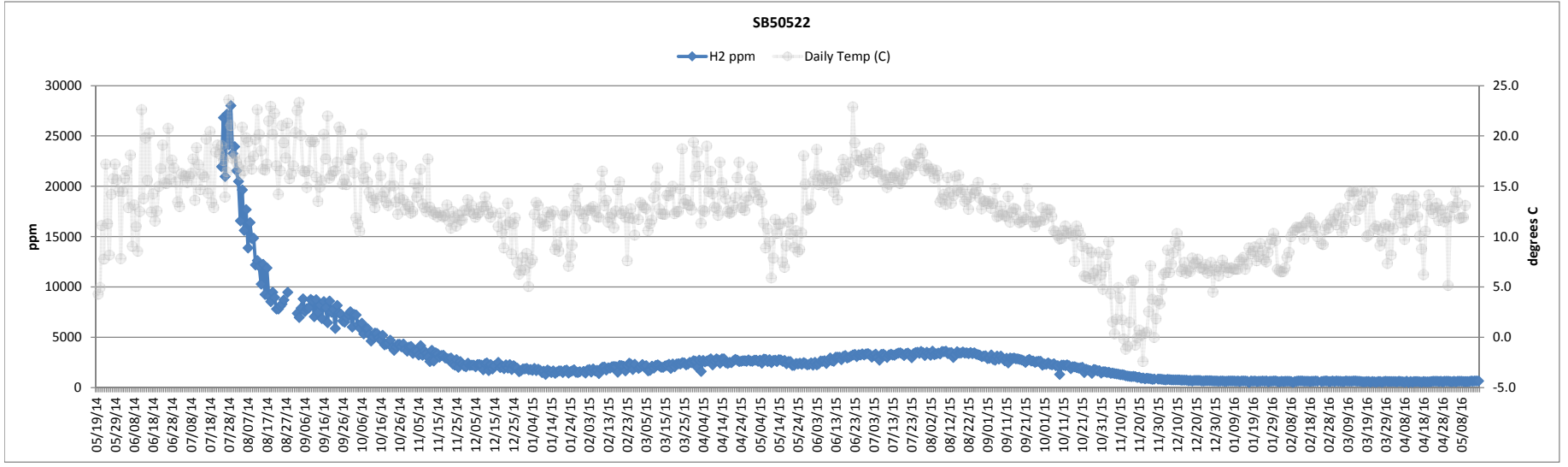
Remediated Nitrate Salt Container Headspace Gas and Temperature



Remediated Nitrate Salt Container Headspace Gas and Temperature



Remediated Nitrate Salt Container Headspace Gas and Temperature



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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-18-16 to 4-24-16

	Monday 6.[4] Start Time:	Tuesday 6.[4] Start Time: <u>1310</u>	Wednesday 6.[4] Start Time: <u>1408</u>	Thursday 6.[4] Start Time: <u>1306</u>	Friday 6.[4] Start Time: <u>1301</u>	Saturday 6.[4] Start Time: <u>1305</u>	Sunday 6.[4] Start Time: <u>1301</u>
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number: <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number: <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Flohe</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	_____ °F	<u>53.4</u> °F	<u>56.8</u> °F	<u>58.8</u> °F	<u>56.2</u> °F	53.9 <u>53.8</u> °F <u>48A</u>	<u>56.4</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685		<u>52.4</u>	<u>58.6</u>	<u>58.8</u>	<u>57.8</u>	<u>54.4</u>	<u>56.8</u>
LA00000070503	68540	<u>52.3</u>	<u>56.0</u>	<u>58.1</u>	<u>56.6</u>	<u>55.5</u>	<u>56.9</u>
	68553	<u>52.3</u>	<u>57.6</u>	<u>58.7</u>	<u>56.0</u>	<u>55.5</u>	<u>56.4</u>
69445		<u>52.4</u>	<u>58.3</u>	<u>58.8</u>	<u>56.6</u>	<u>55.6</u>	<u>57.0</u>
69618		<u>52.2</u>	<u>57.4</u>	<u>58.6</u>	<u>56.4</u>	<u>55.8</u>	<u>57.9</u>
69013		<u>51.1</u>	<u>56.2</u>	<u>57.7</u>	<u>55.8</u>	<u>55.2</u>	<u>56.0</u>
LASB50522	69076	<u>51.0</u>	<u>55.6</u>	<u>57.5</u>	<u>54.9</u>	<u>54.1</u>	<u>55.2</u>
LASB50452	69490	<u>51.6</u>	<u>55.8</u>	<u>57.1</u>	<u>55.5</u>	<u>54.1</u>	<u>55.1</u>
LASB50431	69280	<u>50.4</u>	<u>55.3</u>	<u>57.5</u>	<u>54.4</u>	<u>55.5</u>	<u>55.8</u>
LASB50069	69208	<u>51.5</u>	<u>57.4</u>	<u>57.7</u>	<u>54.9</u>	<u>54.6</u>	<u>55.5</u>
LASB50073	69079	<u>50.2</u>	<u>55.5</u>	<u>56.9</u>	<u>55.0</u>	<u>54.6</u>	<u>55.4</u>
69636		<u>50.6</u>	<u>55.2</u>	<u>57.0</u>	<u>54.3</u>	<u>54.5</u>	<u>54.8</u>

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Z# 191526
 INITIAL [Signature] DATE 4-19-16

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6.[4] Date: From 4-18-16 to 4-24-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616		50.5	55.6	58.7	55.5	53.9	55.3
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620		50.8	57.5	57.4	55.5	55.4	55.5
69520		50.7	55.7	56.8	54.8	56.1	55.5
69641		50.9	54.8	56.9	54.8	53.7	55.4
69298		50.5	54.7	57.1	54.3	57.7	53.4
LASB02203 92669		50.2	55.2	57.1	53.1	55.0	53.9
End Time (6.[14])		1315	1412	1310	1306	1308	1305
6.[14]	WO: _____ WO: _____	WO: <u>FK</u> WO: <u>LM</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>MY</u> WO: <u>[Signature]</u>	WO: <u>MY</u> WO: <u>[Signature]</u>

Comments: new IPC 2 Rev.

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 4-18-16 to 4-24-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	179963	FA	4-19-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-19-16
Tina Aguirre	<i>Tina Aguirre</i>	179904	TA	4-20-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-20-16
Tina Aguirre	<i>Tina Aguirre</i>	179904	TA	4-21-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-21-16
Tina Aguirre	<i>Tina Aguirre</i>	179904	TA	4-22-16
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-22-16
Michael Vigil	<i>Michael Vigil</i>	1215267	MV	4-23-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-23-16
Michael Vigil	<i>Michael Vigil</i>	1215267	MV	4-24-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-24-16
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-18-16 to 4-24-16

		Monday 6.[4] Start Time: _____	Tuesday 6.[4] Start Time: <u>1330</u>	Wednesday 6.[4] Start Time: <u>1403</u>	Thursday 6.[4] Start Time: <u>1311</u>	Friday 6.[4] Start Time: <u>1307</u>	Saturday 6.[4] Start Time: <u>1309</u>	Sunday 6.[4] Start Time: <u>1306</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>04216109511</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>042986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>
Ambient Temperature (6.[5])	_____ °F	<u>49.9</u> °F	<u>52.0</u> °F	<u>51.4</u> °F	<u>50.4</u> °F	<u>51.4</u> °F	<u>52.2</u> °F	
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	
LASB02198 68408		<u>50.1</u>	<u>51.1</u>	<u>50.5</u>	<u>50.1</u>	<u>50.5</u>	<u>52.6</u>	
68638		<u>50.6</u>	<u>50.8</u>	<u>51.8</u>	<u>51.0</u>	<u>51.0</u>	<u>51.1</u>	
69615		<u>50.8</u>	<u>52.7</u>	<u>52.0</u>	<u>51.4</u>	<u>52.5</u>	<u>52.8</u>	
69635		<u>51.4</u>	<u>53.2</u>	<u>52.7</u>	<u>52.5</u>	<u>52.9</u>	<u>52.8</u>	
69642		<u>51.9</u>	<u>53.4</u>	<u>52.5</u>	<u>52.6</u>	<u>52.9</u>	<u>53.4</u>	
69630		<u>51.4</u>	<u>53.3</u>	<u>51.9</u>	<u>52.2</u>	<u>52.9</u>	<u>52.8</u>	
69633		<u>51.1</u>	<u>52.6</u>	<u>52.2</u>	<u>52.1</u>	<u>52.5</u>	<u>53.5</u>	
68430		<u>51.2</u>	<u>52.0</u>	<u>52.2</u>	<u>52.1</u>	<u>52.5</u>	<u>53.7</u>	
68631		<u>50.3</u>	<u>50.4</u>	<u>51.4</u>	<u>50.0</u>	<u>51.8</u>	<u>51.5</u>	
69634		<u>49.9</u>	<u>49.2</u>	<u>49.6</u>	<u>50.0</u>	<u>52.2</u>	<u>49.9</u>	
68567		<u>50.3</u>	<u>50.5</u>	<u>50.6</u>	<u>50.1</u>	<u>50.6</u>	<u>50.8</u>	
94227		<u>50.7</u>	<u>53.1</u>	<u>51.2</u>	<u>50.4</u>	<u>51.2</u>	<u>51.4</u>	
LASB50442 68648		<u>50.5</u>	<u>51.6</u>	<u>51.5</u>	<u>51.5</u>	<u>53.4</u>	<u>51.3</u>	
69644		<u>50.9</u>	<u>53.0</u>	<u>52.3</u>	<u>51.9</u>	<u>52.2</u>	<u>51.7</u>	
LASB50443 69183		<u>50.7</u>	<u>51.5</u>	<u>51.6</u>	<u>51.5</u>	<u>51.8</u>	<u>52.1</u>	
69638		<u>51.0</u>	<u>51.7</u>	<u>51.9</u>	<u>51.2</u>	<u>53.3</u>	<u>51.6</u>	

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INITIAL FL

DATE 4-19-16

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6.[4] Date: From 4-18-16 to 4-24-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624		51.3	52.4	52.1	51.7	54.1	51.6
68507		50.7	51.1	52.2	50.4	51.5	53.3
69568		50.1	50.6	50.7	50.3	51.1	50.5
69553		49.9	51.8	50.8	50.2	50.8	50.6
69598		50.2	50.6	51.1	50.4	51.9	52.9
LASB50559	92472	50.9	50.1	50.5	49.4	50.6	51.1
	92459	50.3	50.1	50.1	49.1	50.3	50.6
69015		50.4	51.5	50.8	50.4	51.5	51.7
69639		50.3	51.2	51.1	50.0	51.3	51.6
69637		50.6	51.6	51.5	50.0	51.6	51.0
End Time (6.[14])		1339	1409	1315	1313	1313	1311
6.[14]	WO: _____ WO: _____	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>

Comments:

New IPC-2 revision.

UET

ATTACHMENT 3

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6.[4] Date: From 4-18-16 to 4-24-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	[Signature]	1174963	FA	4-19-16
Leon Montoya	[Signature]	119526	LM	4-19-16
Tina Aguirre	[Signature]	1169840	TA	4-20-16
Juan Garcia	[Signature]	1169840	JG	4-20-16
Tina Aguirre	[Signature]	1169840	TA	4-21-16
Leon Montoya	[Signature]	119526	LM	4-21-16
Tina Aguirre	[Signature]	1169840	TA	4-22-16
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	[Signature]	119526	LM	4-22-16
Michael Vigil	[Signature]	115267	MV	4-23-16
Juan Garcia	[Signature]	1169840	JG	4-23-16
Michael Vigil	[Signature]	115267	MV	4-24-16
Juan Garcia	[Signature]	1169840	JG	4-24-16
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

UET

ATTACHMENT 4

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-18-16 to 4-24-16

	Monday 6.[4] Start Time:	Tuesday 6.[4] Start Time: <u>1340</u>	Wednesday 6.[4] Start Time: <u>1359</u>	Thursday 6.[4] Start Time: <u>1316</u>	Friday 6.[4] Start Time: <u>1314</u>	Saturday 6.[4] Start Time: <u>1301</u>	Sunday 6.[4] Start Time: <u>1312</u>
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature (6.[5])	°F	<u>51.9</u> °F	<u>53.2</u> °F	<u>51.7</u> °F	<u>52.2</u> °F	<u>55.6</u> °F	<u>52.0</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519		<u>50.9</u>	<u>52.3</u>	<u>51.3</u>	<u>51.3</u>	<u>52.0</u>	<u>52.7</u> ^{per 4-24-16}
69645	<i>N/A</i>	<u>51.8</u>	<u>56.6</u>	<u>51.1</u>	<u>51.0</u>	<u>52.8</u>	56.9 <u>50.0</u>
94068	<i>N/A</i>	<u>51.4</u>	<u>52.2</u>	<u>50.2</u>	<u>51.6</u>	<u>55.5</u>	<u>49.2</u>
93605	<i>N/A</i>	<u>51.8</u>	<u>52.2</u>	<u>50.1</u>	<u>51.2</u>	<u>53.4</u>	<u>52.5</u>
69548	<i>N/A</i>	<u>51.9</u>	<u>53.8</u>	<u>51.7</u>	<u>51.9</u>	<u>53.3</u>	<u>51.1</u>
69604		<u>51.8</u>	<u>52.9</u>	<u>51.6</u>	<u>51.7</u>	<u>53.8</u>	<u>51.1</u>
LASB50529 68665		<u>51.3</u>	<u>53.1</u>	<u>51.9</u>	<u>51.5</u>	<u>54.5</u>	<u>52.4</u>
LASB50418 69595		<u>51.4</u>	<u>53.2</u>	<u>52.0</u>	<u>51.4</u>	53.5 <u>53.5</u>	<u>51.7</u>
69036		<u>51.9</u>	<u>53.6</u>	<u>52.4</u>	<u>51.4</u>	<u>53.9</u>	<u>51.8</u>
LASB50451 69361		<u>52.0</u>	<u>53.4</u>	<u>51.9</u>	<u>52.5</u>	<u>54.6</u>	<u>51.7</u>
69559		<u>52.2</u>	<u>52.6</u>	<u>52.2</u>	<u>52.4</u>	<u>54.1</u>	<u>51.9</u>
LASB50448 69491		<u>52.2</u>	<u>53.3</u>	<u>52.2</u>	<u>52.2</u>	<u>54.3</u>	<u>52.0</u>

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Z# 191526

INITIAL [Signature] DATE 4/19/16

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6.[4] Date: From 4-18-16 to 4-24-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827		51.7	54.2	52.5	51.6	54.5	52.9
87826		52.3	53.4	52.3	52.9	56.3	52.9
87823		52.0	54.7	51.8	51.8	54.8	52.6
87825	NH	52.4	55.6	52.8	52.3	55.2	53.3
End Time (6.[14])		1345	1402	1320	1318	1309	1316
6.[14]	WO: _____ WO: _____	WO: <u>FA</u> WO: <u>R</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>E</u>	WO: <u>JA</u> WO: <u>E</u>	WO: <u>MV</u> WO: <u>JA</u>	WO: <u>MV</u> WO: <u>JA</u>

Comments:

New IPC 2 Rev

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

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6.[4] Date: From 4-18-16 to 4-24-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Ayaya	<i>Fabian Ayaya</i>	1174963	FA	4-19-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-19-16
Tina Aguirre	<i>Tina Aguirre</i>	174963	TA	4-20-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-20-16
Tina Aguirre	<i>Tina Aguirre</i>	174963	TA	4-21-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-21-16
Tina Aguirre	<i>Tina Aguirre</i>	174963	TA	4-22-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-22-16
Michael Vigil	<i>Michael Vigil</i>	215267	MV	4-23-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-23-16
Michael Vigil	<i>Michael Vigil</i>	215267	MV	4-24-16 mv
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-24-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

Document No.: AREAG-WO-DOP-12
 Revision: 0, IPC-2
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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-25-16 to 5-01-16

	Monday 6.[4] Start Time: <u>1340</u>	Tuesday 6.[4] Start Time: <u>1311</u>	Wednesday 6.[4] Start Time: <u>1415</u>	Thursday 6.[4] Start Time: <u>1300</u>	Friday 6.[4] Start Time: <u>1321</u>	Saturday 6.[4] Start Time: <u>1306</u>	Sunday 6.[4] Start Time: <u>1306</u>
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>401916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>
Ambient Temperature(6.[5])	<u>57.3</u> °F	<u>54.0</u> °F	<u>56.6</u> °F	<u>55.4</u> °F	<u>53.3</u> °F	<u>54.0</u> °F	<u>40.0</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>57.0</u>	<u>52.6</u>	<u>57.3</u>	<u>58.6</u>	<u>53.1</u>	<u>53.1</u>	<u>39.8</u>
LA00000070503	68540 <u>57.0</u>	<u>53.4</u>	<u>57.0</u>	<u>57.7</u>	<u>53.2</u>	<u>54.7</u>	<u>39.9</u>
	68553 <u>57.5</u>	<u>53.7</u>	<u>56.9</u>	<u>57.2</u>	<u>53.4</u>	<u>54.5</u>	<u>39.7</u>
69445	<u>57.9</u>	<u>53.7</u>	<u>57.3</u>	<u>56.0</u>	<u>53.0</u>	<u>54.4</u>	<u>40.3</u>
69618	<u>56.5</u>	<u>53.3</u>	<u>56.3</u>	<u>54.9</u> ²⁸⁻¹⁶ <u>54.9</u>	<u>53.1</u>	<u>54.2</u>	<u>40.4</u>
69013	<u>56.8</u>	<u>52.8</u>	<u>55.7</u>	<u>56.0</u>	<u>52.5</u>	<u>53.4</u>	<u>41.3</u> ²⁸⁻¹⁶ <u>40.4</u>
LASB50522 69076	<u>56.0</u>	<u>52.9</u>	<u>54.8</u>	<u>54.8</u>	<u>52.7</u>	<u>53.4</u>	<u>41.3</u>
LASB50452 69490	<u>56.5</u>	<u>53.0</u>	<u>52.9</u>	<u>55.3</u>	<u>52.7</u>	<u>53.3</u>	<u>40.8</u>
LASB50431 69280	<u>55.1</u>	<u>53.2</u>	<u>52.0</u>	<u>54.9</u>	<u>53.0</u>	<u>53.5</u>	<u>40.2</u>
LASB50069 69208	<u>56.2</u>	<u>53.4</u>	<u>56.4</u>	<u>55.7</u>	<u>53.0</u>	<u>53.1</u>	<u>40.3</u>
LASB50073 69079	<u>56.5</u>	<u>53.2</u>	<u>57.5</u>	<u>55.2</u>	<u>52.7</u>	<u>52.5</u>	<u>40.6</u>
69636	<u>56.6</u>	<u>53.2</u>	<u>53.7</u>	<u>53.3</u>	<u>53.0</u>	<u>53.3</u>	<u>40.5</u>

Z# 124977

INITIAL QJ

DATE 4-25-16

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6.[4] Date: From 4-25-16 to 5-01-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	55.3	53.5	53.9	55.3	52.3	53.8	40.5
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	56.4	53.1	55.4	55.6	52.8	52.7	40.7
69520	55.1	52.5	54.3	54.6	51.8	53.0	40.5
69641	56.0	53.1	54.0	54.6	52.3	53.6	40.9
69298	54.5	52.9	52.8	54.2	52.7	53.3	40.8
LASB02203 92669	54.2	52.8	52.4	52.8	52.8	52.9	40.7
End Time (6.[14])	1345	1315	1422	1307	1325	1309	1309
6.[14]	WO: <u>JA</u> WO: <u>PO</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>EP</u> WO: <u>AM</u>	WO: <u>EP</u> WO: <u>EP</u>	WO: <u>EP</u> WO: <u>LM</u>

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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ATTACHMENT 2

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6.[4] Date: From 4-25-16 to 5-01-16

6.[18] Performed by:

<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>17497</u>	<u>TA</u>	<u>4-25-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Philip Quintana</u>	<u>[Signature]</u>	<u>183643</u>	<u>PQ</u>	<u>4/25/16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>17497</u>	<u>TA</u>	<u>4-26-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>169840</u>	<u>JG</u>	<u>4-26-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>17497</u>	<u>TA</u>	<u>4-27-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>169840</u>	<u>JG</u>	<u>4-27-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>17497</u>	<u>TA</u>	<u>4-28-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date

<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LM</u>	<u>4-29-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>04-29-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>169840</u>	<u>JG</u>	<u>04-29-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>04-30-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LM</u>	<u>4-30-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>05-1-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LM</u>	<u>5-1-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOMI (print)	Signature	Z#	Initials	Date
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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-25-16 to 5-01-16

		Monday 6.[4] Start Time: <u>1346</u>	Tuesday 6.[4] Start Time: <u>1305</u>	Wednesday 6.[4] <u>1423</u> 6.[4] <u>1415</u> Start Time: <u>1412</u>	Thursday 6.[4] Start Time: <u>1317</u>	Friday 6.[4] Start Time: <u>1315</u>	Saturday 6.[4] Start Time: <u>1310</u>	Sunday 6.[4] Start Time: <u>1310</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2 1 B)		Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-29-16</u> File Number <u>103867</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-7-16</u> File Number <u>040986</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>
Ambient Temperature (6.[5])		<u>54.2</u> °F	<u>49.4</u> °F	<u>50.6</u> °F	<u>50.6</u> °F	<u>50.9</u> °F	<u>50.2</u> °F	<u>42.8</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>52.3</u>	<u>49.3</u>	<u>50.0</u>	<u>51.0</u>	<u>51.6</u>	<u>50.6</u>	<u>42.8</u>
	68638	<u>54.2</u>	<u>49.8</u>	<u>51.6</u>	<u>52.0</u>	<u>50.7</u>	<u>50.4</u>	<u>43.3</u>
	69615	<u>54.5</u>	<u>50.1</u>	<u>52.1</u>	<u>52.6</u>	<u>51.0</u>	<u>51.0</u>	<u>42.5</u>
	69635	<u>52.3</u>	<u>49.9</u>	<u>52.7</u>	<u>53.2</u>	<u>51.4</u>	<u>51.5</u>	<u>43.0</u>
	69642	<u>54.2</u>	<u>50.2</u>	<u>52.5</u>	<u>54.0</u>	<u>51.7</u>	<u>51.8</u>	<u>42.7</u>
	69630	<u>52.8</u>	<u>49.7</u>	<u>51.9</u>	<u>52.4</u>	<u>50.9</u>	<u>51.0</u>	<u>43.1</u>
	69633	<u>52.1</u>	<u>49.3</u>	<u>52.3</u>	<u>53.0</u>	<u>51.5</u>	<u>50.7</u>	<u>43.5</u>
	68430	<u>52.7</u>	<u>49.7</u>	<u>52.1</u>	<u>51.0</u>	<u>51.5</u>	<u>51.1</u>	<u>43.0</u>
	68631	<u>52.3</u>	<u>48.7</u>	<u>49.9</u>	<u>51.0</u>	<u>50.4</u>	<u>49.8</u>	<u>42.9</u>
	69634	<u>52.3</u>	<u>47.6</u>	<u>49.9</u>	<u>51.0</u>	<u>51.0</u>	<u>49.6</u>	<u>43.2</u>
	68567	<u>53.8</u>	<u>49.2</u>	<u>49.9</u>	<u>50.8</u>	<u>50.7</u>	<u>50.2</u>	<u>43.1</u>
	94227	<u>52.7</u>	<u>50.7</u>	<u>51.4</u>	<u>52.3</u>	<u>50.2</u>	<u>50.0</u>	<u>43.2</u>
LASB50442	68648	<u>54.4</u>	<u>49.1</u>	<u>51.4</u>	<u>53.5</u>	<u>50.8</u>	<u>50.2</u>	<u>43.3</u>
	69644	<u>63.7</u> <u>53.7</u>	<u>49.9</u>	<u>52.1</u>	<u>52.5</u>	<u>51.2</u>	<u>50.2</u>	<u>43.5</u>
LASB50443	69183	<u>54.7</u>	<u>49.7</u>	<u>52.1</u>	<u>52.2</u>	<u>50.8</u>	<u>50.3</u>	<u>43.6</u>
	69638	<u>53.4</u>	<u>48.8</u>	<u>52.0</u>	<u>52.1</u>	<u>50.7</u>	<u>50.3</u>	<u>43.4</u>

INITIAL COA DATE 4-25-16

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6.[4] Date: From 4-25-16 to 5-01-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	54.1	49.6	51.4	52.1	50.5	50.2	43.7
68507	54.1	49.3	50.9	52.1	50.6	50.2	44.2
69568	53.1	47.9	50.8	51.0	50.4	49.8	43.9
69553	52.8	49.1	50.3	51.6	50.6	50.4	43.8
69598	54.3	48.9	51.1	51.7	51.3	50.1	43.8
LASB50559	92472	52.0	50.4	50.7	50.5	49.7	44.2
	92459	52.4	49.4	50.7	50.6	50.6	44.0
69015	53.7	49.1	50.9	51.2	50.5	50.2	44.1
69639	53.1	49.0	50.6	51.5	50.7	49.9	44.2
69637	53.1	48.7	50.7	51.5	50.8	49.9	43.7
End Time (6.[14])	1351	1310	1428	1319	1320	1313	1313
6.[14]	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>	WO: <u>CA</u> WO: <u>PC</u>

Comments:

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ATTACHMENT 3

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6.[4] Date: From 4-25-16 to 5-01-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>183693</u>	<u>TA</u>	<u>4-25-16</u>
<u>Philip Quintana</u>	<u>[Signature]</u>	<u>183693</u>	<u>PQ</u>	<u>4/25/16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>183693</u>	<u>TA</u>	<u>4-26-16</u>
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>1161840</u>	<u>JG</u>	<u>4-26-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>183693</u>	<u>TA</u>	<u>4-27-16</u>
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>1161840</u>	<u>JG</u>	<u>4-27-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>183693</u>	<u>TA</u>	<u>4-28-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>4-28-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>04-29-16</u>
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>1161840</u>	<u>JG</u>	<u>04-29-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>04-30-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>4-30-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>05-1-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>5-1-16</u>

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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ATTACHMENT 4

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 4-25-16 to 5-01-16

Monday 6.[4] Start Time: <u>1352</u>	Tuesday 6.[4] Start Time: <u>1350</u>	Wednesday 6.[4] Start Time: <u>1406</u>	Thursday 6.[4] Start Time: <u>1310</u>	Friday 6.[4] Start Time: <u>1309</u>	Saturday 6.[4] Start Time: <u>1314</u>	Sunday 6.[4] Start Time:
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TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>
Ambient Temperature (6.[5])	<u>56.8</u> °F	<u>52.8</u> °F	<u>55.3</u> °F	<u>54.5</u> °F	<u>51.8</u> °F	<u>51.9</u> °F	<u>46.3</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>56.8</u>	<u>51.8</u>	<u>52.4</u>	<u>53.6</u>	<u>51.8</u>	<u>50.9</u>	<u>45.8</u>
69645	<u>53.6</u>	<u>51.1</u>	<u>53.5</u>	<u>52.8</u>	<u>51.1</u>	<u>51.4</u>	<u>46.5</u>
94068	<u>53.1</u>	<u>50.9</u>	<u>52.3</u>	<u>52.8</u>	<u>50.7</u>	<u>51.0</u>	<u>46.4</u>
93605	<u>54.3</u>	<u>52.1</u>	<u>52.9</u>	<u>53.8</u>	<u>51.7</u>	<u>51.5</u>	<u>46.9</u>
69548	<u>54.3</u>	<u>51.8</u>	<u>53.3</u>	<u>54.7</u>	<u>51.5</u>	<u>51.6</u>	<u>46.6</u>
69604	<u>53.9</u>	<u>51.7</u>	<u>53.0</u>	<u>54.1</u>	<u>51.2</u>	<u>51.4</u>	<u>46.4</u>
LASB50529 68665	<u>55.0</u>	<u>51.3</u>	<u>53.2</u>	<u>53.7</u>	<u>51.4</u>	<u>51.4</u>	<u>46.4</u>
LASB50418 69595	<u>54.8</u>	<u>51.2</u>	<u>52.9</u>	<u>54.4</u>	<u>51.3</u>	<u>51.5</u>	<u>46.2</u>
69036	<u>55.9</u>	<u>51.7</u>	<u>53.4</u>	<u>54.6</u>	<u>51.2</u>	<u>51.4</u>	<u>45.8</u>
LASB50451 69361	<u>55.3</u>	<u>51.4</u>	<u>53.0</u>	<u>54.4</u>	<u>51.0</u>	<u>51.8</u>	<u>47.0</u>
69559	<u>55.3</u>	<u>51.7</u>	<u>53.8</u>	<u>54.7</u>	<u>51.7</u>	<u>51.8</u>	<u>47.0</u>
LASB50448 69491	<u>55.7</u>	<u>52.4</u>	<u>53.6</u>	<u>54.5</u>	<u>51.8</u>	<u>51.8</u>	<u>46.6</u>

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DATE: 4-25-16

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6.[4] Date: From 4-25-16 to 5-01-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	56.4	53.7	54.1	56.0	51.6	51.9	46.6
87826	55.8	52.5	54.3	54.7	51.6	52.1	46.0
87823	56.1	52.3	54.1	55.1	51.6	52.2	45.8
87825	57.0	52.5	54.7	56.4	52.6	52.9	45.6
End Time (6.[14])	1357	1304	1411	1316	1315	1317	1319
6.[14]	WO: <u>CA</u> WO: <u>PO</u>	WO: <u>DA</u> WO: <u>FA</u>	WO: <u>CA</u> WO: <u>FA</u>	WO: <u>CA</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>LM</u>	WO: <u>EP</u> WO: <u>LM</u>

Comments:

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6.[4] Date: From 4-25-16 to 5-01-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	Tina Aguirre	183693	PA	4-25-16
Philip Quintana	<i>Philip Quintana</i>	183693	PA	4/25/16
Tina Aguirre	Tina Aguirre	183693	PA	4-26-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-26-16
Tina Aguirre	Tina Aguirre	183693	PA	4-27-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	4-27-16
Tina Aguirre	Tina Aguirre	183693	PA	4-28-16
Tina Aguirre	<i>Tina Aguirre</i>	183693	PA	4-28-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	Leon Montoya	191526	LM	4-28-16
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	04-29-16
Juan Garcia	Juan Garcia	169840	JG	04-29-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	04-29-16
Edward Pacheco	Edward Pacheco	100497	EP	04-30-16
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	04-30-16
Leon Montoya	Leon Montoya	191526	LM	4-30-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	4-30-16
Edward Pacheco	Edward Pacheco	100497	EP	05-1-16
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	05-1-16
Leon Montoya	Leon Montoya	191526	LM	5-1-16
Leon Montoya	<i>Leon Montoya</i>	191526	LM	5-1-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5/2/16 to 5/8/16

	Monday 6.[4] Start Time: <u>1317</u>	Tuesday 6.[4] Start Time: <u>1307</u>	Wednesday 6.[4] Start Time: <u>1310</u>	Thursday 6.[4] Start Time: <u>1308</u>	Friday 6.[4] Start Time: <u>1308</u>	Saturday 6.[4] Start Time: <u>1321</u>	Sunday 6.[4] Start Time: <u>1322</u>
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>103807</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	<u>55.0</u> °F	<u>56.6</u> °F	<u>56.1</u> °F	<u>59.4</u> °F	<u>57.8</u> °F	<u>54.2</u> °F	<u>55.2</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>55.2</u>	<u>57.3</u>	<u>57.9</u>	<u>61.4</u>	<u>60.5</u>	<u>53.5</u>	<u>54.2</u>
LA0000070503	68540 <u>54.7</u>	<u>56.5</u>	<u>50.8</u>	<u>59.5</u>	<u>58.0</u>	<u>53.0</u>	<u>54.3</u>
	68553 <u>55.8</u>	<u>58.4</u>	<u>57.1</u>	<u>59.9</u>	<u>57.4</u>	<u>53.8</u>	<u>55.2</u>
69445	<u>54.9</u>	<u>59.7</u>	<u>50.7</u>	<u>59.1</u>	<u>57.8</u>	<u>52.6</u>	<u>54.6</u>
69618	<u>53.7</u>	<u>56.2</u>	<u>50.5</u>	<u>59.4</u>	<u>57.6</u>	<u>52.9</u>	<u>54.4</u>
69013	<u>53.5</u>	<u>56.0</u>	<u>50.2</u>	<u>58.1</u>	<u>56.2</u>	<u>52.6</u>	<u>53.3</u>
LASB50522 69076	<u>53.0</u>	<u>55.4</u>	<u>55.2</u>	<u>58.1</u>	<u>56.1</u>	<u>53.3</u>	<u>53.4</u>
LASB50452 69490	<u>54.4</u>	<u>55.6</u>	<u>55.0</u>	<u>57.2</u>	<u>55.4</u>	<u>51.5</u>	<u>53.5</u>
LASB50431 69280	<u>52.9</u>	<u>56.0</u>	<u>54.2</u>	<u>58.0</u>	<u>56.5</u>	<u>50.9</u>	<u>53.0</u>
LASB50069 69208	<u>54.0</u>	<u>55.3</u>	<u>50.0</u>	<u>52.3</u>	<u>56.4</u>	<u>52.9</u>	<u>53.7</u>
LASB50073 69079	<u>52.9</u>	<u>55.5</u>	<u>55.2</u>	<u>57.5</u>	<u>55.9</u>	<u>52.3</u>	<u>53.9</u>
69636	<u>53.5</u>	<u>57.1</u>	<u>54.0</u>	<u>58.8</u>	<u>56.2</u>	<u>56.4</u>	<u>53.6</u>

Z# 239958
 INITIAL VM DATE 5/2/16

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6.[4] Date: From 5/2/10 to 5/8/10

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	54.9	56.5	55.0	59.9	56.7	50.6	53.9
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	54.8	56.6	55.0	59.2	56.6	52.9	54.0
69520	53.0	55.0	54.0	57.2	56.4	52.6	53.4
69641	54.1	55.4	54.7	57.0	56.0	51.6	53.0
69298	53.8	55.9	54.0	57.9	55.9	51.3	52.9
LASB02203 92669	54.2	55.7	53.4	57.0	54.0	50.3	53.1
End Time (6.[14])	1321	1314	1319	1433	1315	1329	1330
6.[14]	WO: <u>VON</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>LM</u>	WO: <u>VON</u> WO: <u>R</u>	WO: <u>VON</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>

Comments: N/C

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 5/2/16 to 5/8/16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	5/2/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-2-16
Waste Operator (print)	Signature	Z#	Initials	Date
Juan Aguirre	<i>Juan Aguirre</i>	169840	JA	5-3-16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	5-3-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	5/4/16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	5-4-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	5/5/16
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	5-5-16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-6-16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	5-6-16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-7-16
Waste Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>Juan Garcia</i>	169840	JA	5-7-16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-8-16
Waste Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>Juan Garcia</i>	169840	JA	5-8-16
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5/2/16 to 5/8/16

		Monday 6.[4] Start Time: <u>1310</u>	Tuesday 6.[4] Start Time: <u>1315</u>	Wednesday 6.[4] Start Time: <u>1320</u>	Thursday 6.[4] Start Time: <u>1434</u>	Friday 6.[4] Start Time: <u>1316</u>	Saturday 6.[4] Start Time: <u>1312</u>	Sunday 6.[4] Start Time: <u>1313</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>
Ambient Temperature (6.[5])		<u>50.5</u> °F	<u>51.3</u> °F	<u>51.5</u> °F	<u>53.7</u> °F	<u>53.1</u> °F	<u>50.9</u> °F	<u>51.7</u> °F
(\$) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		<u>5/2/16</u> Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>51.3</u> <u>50.2</u>	<u>50.3</u>	<u>50.9</u>	<u>52.8</u>	<u>51.6</u>	<u>51.0</u>	<u>49.7</u>
	68638	<u>51.3</u>	<u>51.4</u>	<u>52.4</u>	<u>55.0</u>	<u>53.6</u>	<u>50.9</u>	<u>50.8</u>
	69615	<u>51.3</u>	<u>53.6</u>	<u>53.0</u>	<u>55.0</u>	<u>54.6</u>	<u>51.8</u>	<u>51.9</u>
	69635	<u>51.9</u>	<u>53.2</u>	<u>53.0</u>	<u>55.0</u>	<u>54.8</u>	<u>52.6</u>	<u>52.8</u>
	69642	<u>52.0</u>	<u>53.5</u>	<u>53.8</u>	<u>56.0</u>	<u>55.4</u>	<u>52.6</u>	<u>52.5</u>
	69630	<u>52.7</u>	<u>52.5</u>	<u>53.2</u>	<u>56.0</u>	<u>54.7</u>	<u>52.1</u>	<u>52.3</u>
	69633	<u>51.3</u>	<u>52.7</u>	<u>53.3</u>	<u>55.1</u>	<u>53.9</u>	<u>52.1</u>	<u>52.5</u>
	68430	<u>51.5</u>	<u>53.2</u>	<u>53.0</u>	<u>57.1</u>	<u>55.4</u>	<u>52.8</u>	<u>53.2</u>
	68631	<u>51.2</u>	<u>51.0</u>	<u>51.5</u>	<u>54.0</u>	<u>52.8</u>	<u>49.7</u>	<u>50.3</u>
	69634	<u>50.2</u>	<u>50.0</u>	<u>50.0</u>	<u>52.9</u>	<u>51.0</u>	<u>51.8</u>	<u>49.8</u>
	68567	<u>51.3</u>	<u>50.9</u>	<u>51.2</u>	<u>53.2</u>	<u>52.9</u>	<u>49.9</u>	<u>52.4</u>
	94227	<u>50.0</u>	<u>51.2</u>	<u>51.7</u>	<u>54.3</u>	<u>52.9</u>	<u>50.3</u>	<u>51.5</u>
LASB50442	68648	<u>52.2</u>	<u>52.3</u>	<u>53.2</u>	<u>55.0</u>	<u>53.5</u>	<u>52.7</u>	<u>51.5</u>
	69644	<u>50.7</u>	<u>51.8</u>	<u>53.0</u>	<u>50.1</u>	<u>53.8</u>	<u>51.7</u>	<u>51.7</u>
LASB50443	69183	<u>50.5</u>	<u>51.6</u>	<u>52.0</u>	<u>55.1</u>	<u>53.9</u>	<u>51.8</u>	<u>51.6</u>
	69638	<u>51.7</u>	<u>51.8</u>	<u>52.9</u>	<u>54.7</u>	<u>53.6</u>	<u>51.5</u>	<u>51.8</u>

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6.[4] Date: From 5/2/10 to 5/8/10

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	
TA-54-0375 Cell 2 (continued)								
68624	50.9	51.6	52.3	55.2	53.4	50.9	51.4	
68507	51.0	51.7	51.9	53.9	53.5	50.8	51.7	
69568	50.0	50.8	52.3	53.9	52.5	50.5	50.8	
69553	50.8	51.3	52.3	53.8	52.6	50.8	52.0	
69598	51.2	51.5	52.9	54.5	53.9	50.9	50.1	
LASB50559	92472	50.9	50.7	51.5	53.4	52.4	50.2	50.0
	92459	50.4	50.7	51.0	52.7	52.0	49.5	51.4
69015	50.9	51.5	51.9	54.3	53.4	51.4	50.9	
69639	50.9	51.4	51.9	54.0	53.0	51.1	50.9	
69637	51.0	51.7	52.4	54.7	53.0	50.4	51.4	
End Time (6.[14])	1310	1319	1323	1438	1320	1320	1321	
6.[14]	WO: <u>VON</u> WO: <u>FA</u>	WO: <u>SA</u> WO: <u>LM</u>	WO: <u>VON</u> WO: <u>LM</u>	WO: <u>VON</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	

Comments: NC

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6.[4] Date: From 5/2/16 to 5/8/16

6.[18] Performed by:

Valerie Martinez / Valerie Martinez / 239958 / VM / 5/2/16
 Waste Operator (print) Signature Z# Initials Date

Fabian Araya / Fabian Araya / 174963 / FA / 5-2-16
 Waste Operator (print) Signature Z# Initials Date

Leon Montoya / Leon Montoya / 191526 / LM / 5-3-16
 Waste Operator (print) Signature Z# Initials Date

Leon Montoya / Leon Montoya / 191526 / LM / 5-3-16
 Waste Operator (print) Signature Z# Initials Date

Valerie Martinez / Valerie Martinez / 239958 / VM / 5/4/16
 Waste Operator (print) Signature Z# Initials Date

Leon Montoya / Leon Montoya / 191526 / LM / 5-7-16
 Waste Operator (print) Signature Z# Initials Date

Valerie Martinez / Valerie Martinez / 239958 / VM / 5/5/16
 Waste Operator (print) Signature Z# Initials Date

Leon Montoya / Leon Montoya / 191526 / LM / 5-5-16
 Waste Operator (print) Signature Z# Initials Date

Fabian Araya / Fabian Araya / 174963 / FA / 5-6-16
 Waste Operator (print) Signature Z# Initials Date

Leon Montoya / Leon Montoya / 191526 / LM / 5-6-16
 Waste Operator (print) Signature Z# Initials Date

Fabian Araya / Fabian Araya / 174963 / FA / 5-7-16
 Waste Operator (print) Signature Z# Initials Date

Juan Garcia / Juan Garcia / 169840 / JG / 5-7-16
 Waste Operator (print) Signature Z# Initials Date

Fabian Araya / Fabian Araya / 174963 / FA / 5-8-16
 Waste Operator (print) Signature Z# Initials Date

Juan Garcia / Juan Garcia / 169840 / JG / 5-8-16
 Waste Operator (print) Signature Z# Initials Date

9.1[2] Reviewed by:

 SOM (print) Signature Z# Initials Date

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5/2/16 to 5/8/16

Monday 6.[4] Start Time: <u>1305</u>	Tuesday 6.[4] Start Time: <u>1320</u>	Wednesday 6.[4] Start Time: <u>1324</u>	Thursday 6.[4] Start Time: <u>1439</u>	Friday 6.[4] Start Time: <u>1321</u>	Saturday 6.[4] Start Time: <u>1306</u>	Sunday 6.[4] Start Time: <u>1305</u>
---	--	--	---	---	---	---

TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>
Ambient Temperature (6.[5])	<u>52.4</u> °F	<u>52.9</u> °F	<u>53.4</u> °F	<u>57.3</u> °F	<u>56.1</u> °F	<u>54.4</u> °F	<u>54.3</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>51.5</u>	<u>52.4</u>	<u>53.0</u>	<u>56.8</u>	<u>55.6</u>	<u>53.8</u>	<u>52.9</u>
69645	<u>51.0</u>	<u>52.0</u>	<u>52.7</u>	<u>55.5</u>	<u>54.7</u>	<u>52.0</u>	<u>51.7</u>
94068	<u>50.9</u>	<u>52.4</u>	<u>52.9</u>	<u>56.7</u>	<u>54.6</u>	<u>52.0</u>	<u>51.9</u>
93605	<u>52.3</u>	<u>52.5</u>	<u>53.6</u>	<u>57.7</u>	<u>56.7</u>	<u>52.8</u>	<u>52.7</u>
69548	<u>52.1</u>	<u>53.4</u>	<u>54.4</u>	<u>58.2</u>	<u>56.5</u>	<u>55.4</u>	<u>53.0</u>
69604	<u>51.9</u>	<u>53.0</u>	<u>54.1</u>	<u>57.4</u>	<u>56.8</u>	<u>54.0</u>	<u>53.5</u>
LASB50529	68665	<u>52.2</u>	<u>53.2</u>	<u>53.0</u>	<u>57.0</u>	<u>55.8</u>	<u>53.3</u>
LASB50418	69595	<u>52.4</u>	<u>53.0</u>	<u>54.6</u>	<u>57.6</u>	<u>56.1</u>	<u>53.5</u>
69036		<u>51.9</u>	<u>53.3</u>	<u>54.6</u>	<u>57.2</u>	<u>56.5</u>	<u>54.4</u>
LASB50451	69361	<u>52.0</u>	<u>53.8</u>	<u>55.0</u>	<u>57.4</u>	<u>57.0</u>	<u>54.0</u>
69559		<u>51.9</u>	<u>53.5</u>	<u>55.7</u>	<u>57.8</u>	<u>56.4</u>	<u>54.4</u>
LASB50448	69491	<u>52.2</u>	<u>53.7</u>	<u>55.2</u>	<u>58.9</u>	<u>57.5</u>	<u>53.8</u>

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Z# 239958
 INITIAL KM DATE 5/2/16

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6.[4] Date: From 5/2/16 to 5/8/16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	52.9	54.1	55.3	59.4	56.4	54.9	53.7
87826	52.2	54.3	55.3	58.0	55.6	54.3	53.8
87823	52.7	53.8	55.5	59.0	57.0	54.3	53.9
87825	53.7	57.1	55.9	58.4	56.5	54.9	55.1
End Time (6.[14])	1309	1324	1327	1443	1325	1311	1312
6.[14]	WO: <u>von</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>Q</u>	WO: <u>von</u> WO: <u>LM</u>	WO: <u>von</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>LM</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>

Comments:

N/C

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6.[4] Date: From 5/2/16 to 5/8/16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	239958	VOM	5/2/16
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-2-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	TA	5-3-16
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	5-3-16
Valerie Martinez	<i>Valerie Martinez</i>	239958	VOM	5/4/16
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	5-4-16
Valerie Martinez	<i>Valerie Martinez</i>	239958	VOM	5/5/16

Waste Operator (print)	Signature	Z#	Initials	Date
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	5-5-16
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-6-16
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	5-6-16
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-7-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	5-7-16
Fabian Anaya	<i>Fabian Anaya</i>	174963	FA	5-8-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	5-8-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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ATTACHMENT 2

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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-9-16 to 5-15-16

	Monday 6.[4] Start Time: <u>1324</u>	Tuesday 6.[4] Start Time: <u>1305</u>	Wednesday 6.[4] Start Time: _____	Thursday 6.[4] Start Time: _____	Friday 6.[4] Start Time: _____	Saturday 6.[4] Start Time: _____	Sunday 6.[4] Start Time: _____
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature(6.[5])	<u>54.0</u> °F	<u>57.6</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>55.4</u>	<u>58.2</u>					
LA00000070503	68540	<u>54.2</u>	<u>57.9</u>				
	68553	<u>54.3</u>	<u>56.9</u>				
69445	<u>54.1</u>	<u>56.1</u>					
69618	<u>53.0</u>	<u>56.9</u>					
69013	<u>53.2</u>	<u>56.5</u>					
LASB50522	69076	<u>53.5</u>	<u>55.6</u>				
LASB50452	69490	<u>52.7</u>	<u>55.4</u>				
LASB50431	69280	<u>53.9</u>	<u>54.7</u>				
LASB50069	69208	<u>53.4</u>	<u>56.2</u>				
LASB50073	69079	<u>53.6</u>	<u>55.6</u>				
69636	<u>53.1</u>	<u>54.9</u>					

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Z# 174903

INITIAL FA

DATE 5-9-16

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6.[4] Date: From 5-9-16 to 5-15-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	53.1	56.7					
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	54.4	56.5					
69520	53.3	55.5					
69641	52.8	55.2					
69298	53.3	54.9					
LASB02203 92669	52.7	53.5					
End Time (6.[14])	1328	1310					
6.[14]	WO: MV WO: FA	WO: FA WO: LM	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments: New Rev change from Rev 0, IPC-2 to new Rev 0
IPC-3.

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 5-9-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Michael Vigil	<i>Michael Vigil</i>	1215287	MV	5-9-16
Fabian Anaya	<i>Fabian Anaya</i>	1174963	FA	5-9-16
Fabian Anaya	<i>Fabian Anaya</i>	1174963	FA	5-10-16
Leon Montoya	<i>Leon Montoya</i>	1195268	LM	5-9-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-9-16 to 5-15-16

		Monday 6.[4] Start Time: <u>1318</u>	Tuesday 6.[4] Start Time: <u>1311</u>	Wednesday 6.[4] Start Time: _____	Thursday 6.[4] Start Time: _____	Friday 6.[4] Start Time: _____	Saturday 6.[4] Start Time: _____	Sunday 6.[4] Start Time: _____
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____
Ambient Temperature (6.[5])		<u>50.9</u> °F	<u>52.3</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>50.0</u>	<u>51.7</u>					
	68638	<u>49.8</u>	<u>53.8</u>					
	69615	<u>51.5</u>	<u>53.8</u>					
	69635	<u>52.6</u>	<u>54.6</u>					
	69642	<u>52.7</u>	<u>54.7</u>					
	69630	<u>52.0</u>	<u>54.0</u>					
	69633	<u>51.9</u>	<u>54.3</u>					
	68430	<u>51.7</u>	<u>54.4</u>					
	68631	<u>49.8</u>	<u>52.3</u>					
	69634	<u>49.8</u>	<u>52.7</u>					
	68567	<u>50.6</u>	<u>51.9</u>					
	94227	<u>50.0</u>	<u>52.5</u>					
LASB50442	68648	<u>52.4</u>	<u>53.8</u>					
	69644	<u>50.8</u>	<u>53.2</u>					
LASB50443	69183	<u>51.1</u>	<u>51.9</u>					
	69638	<u>50.6</u>	<u>53.5</u>					

~~NA~~

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6.[4] Date: From 5-9-16 to 5-15-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	50.9	53.4					
68507	52.8	52.8					
69568	50.6	53.4					
69553	51.3	52.2					
69598	51.4	52.6					
LASB50559	92472	50.2		N/A			
	92459	50.3	51.6				
69015	50.8	52.4					
69639	50.4	52.8					
69637	50.6	52.9					
End Time (6.[14])	1322	1318					
6.[14]	WO: MV WO: FH	WO: FA WO: LM	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

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6.[4] Date: From 5-9-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Michael Vigil	<i>Michael Vigil</i>	215267	MV	5-9-16
Fabian Anaya	<i>Fabian Anaya</i>	1174963	FA	5-9-16
Fabian Anaya	<i>Fabian Anaya</i>	1174963	FA	5-10-16
Leon...	<i>Leon...</i>	195261	LA	5-10-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-9-16 to 5-15-16

	Monday 6.[4] Start Time: <u>1312</u>	Tuesday 6.[4] Start Time: <u>1319</u>	Wednesday 6.[4] Start Time:	Thursday 6.[4] Start Time:	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.[5])	<u>54.2</u> °F	<u>55.6</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>53.6</u>	<u>54.5</u>					
69645	<u>52.0</u>	<u>53.3</u>					
94068	<u>52.2</u>	<u>53.4</u>					
93605	<u>52.4</u>	<u>55.3</u>					
69548	<u>54.1</u>	<u>55.6</u>					
69604	<u>53.3</u>	<u>56.1</u>					
LASB50529 68665	<u>53.7</u>	<u>54.4</u>					
LASB50418 69595	<u>53.8</u>	<u>56.0</u>					
69036	<u>54.3</u>	<u>55.4</u>					
LASB50451 69361	<u>54.3</u>	<u>55.9</u>					
69559	<u>54.4</u>	<u>55.1</u>					
LASB50448 69491	<u>54.2</u>	<u>56.3</u>					

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6.[4] Date: From 5-9-16 to 5-15-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	55.3	55.9					
87826	54.1	56.4					
87823	55.5	57.2					
87825	56.5	57.5					
End Time (6.[14])	1316	1321					
6.[14]	WO: MV WO: FH	WO: FH WO: Lon	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

UET

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6.[4] Date: From 5-9-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
	<i>Michael Vigil</i>	1215267	MV	5-9-16
	<i>Fabian Anaya</i>	1174963	FA	5-9-16
	<i>Fabian Anaya</i>	1174963	FA	5-10-16
	<i>L. CON...</i>	1915261	LA	5-10-16

Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

Document No.: AREAG-WO-DOP-12
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ATTACHMENT 2

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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-11-16 to 5-15-16

		Monday 6.[4] Start Time:	Tuesday 6.[4] Start Time:	Wednesday 6.[4] Start Time: <u>1325</u>	Thursday 6.[4] Start Time: <u>5:20 PM 1328</u>	Friday 6.[4] Start Time: <u>1318</u>	Saturday 6.[4] Start Time: <u>1318</u>	Sunday 6.[4] Start Time: <u>1805</u>
TA-54-0375 Cell 1								
Calibrated infrared thermometer (4.2[1][B])	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	_____ °F	_____ °F	<u>56.5</u> °F	<u>56.5</u> °F	<u>58.5</u> °F	<u>54.8</u> °F	<u>57.1</u> °F	
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	
68685			<u>58.8</u>	<u>58.1</u>	<u>61.0</u>	<u>56.7</u>	<u>58.5</u>	
LA00000070503	68540		<u>58.9</u>	<u>57.5</u>	<u>60.2</u>	<u>56.1</u>	<u>56.7</u>	
	68553		<u>58.0</u>	<u>57.3</u>	<u>59.1</u>	<u>55.7</u>	<u>56.5</u>	
69445			<u>58.0</u>	<u>56.7</u>	<u>58.7</u>	<u>56.9</u>	<u>57.2</u>	
69618			<u>58.4</u>	<u>57.6</u>	<u>60.2</u>	<u>56.0</u>	<u>56.6</u>	
69013			<u>57.9</u>	<u>56.4</u>	<u>58.1</u>	<u>55.7</u>	<u>56.5</u>	
LASB50522	69076		<u>56.8</u>	<u>56.3</u>	<u>57.8</u>	<u>55.5</u>	<u>55.3</u>	
LASB50452	69490		<u>55.9</u>	<u>55.2</u>	<u>57.0</u>	<u>54.3</u>	<u>55.4</u>	
LASB50431	69280		<u>56.2</u>	<u>55.1</u>	<u>57.1</u>	<u>53.6</u>	<u>54.6</u>	
LASB50069	69208		<u>56.5</u>	<u>55.9</u>	<u>58.5</u>	<u>56.5</u>	<u>56.3</u>	
LASB50073	69079		<u>56.8</u>	<u>56.6</u>	<u>58.7</u>	<u>55.1</u>	<u>55.7</u>	
69636			<u>55.7</u>	<u>54.9</u>	<u>57.7</u>	<u>54.1</u>	<u>54.6</u>	

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INITIAL QA

DATE 5-11-16

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6.[4] Date: From 5-11-16 to 5-15-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616			56.2	50.3	57.3	54.4	55.8
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620			57.9	50.5	59.5	54.9	56.5
69520			56.5	50.4	57.3	55.0	55.3
69641			56.2	55.0	57.8	54.6	54.7
69298			56.1	50.5	57.7	54.0	54.7
LASB02203 92669			54.4	53.5	56.7	53.0	53.2
End Time (6.[14])			1328	1340	1323	1323	1310
6.[14]	WO: _____ WO: _____	WO: _____ WO: _____	WO: <u>GA</u> WO: <u>AK</u>	WO: <u>YMN</u> WO: <u>FA</u>	WO: <u>FP</u> WO: <u>FA</u>	WO: <u>FP</u> WO: <u>FA</u>	WO: <u>FP</u> WO: <u>R</u>

Comments: New Rev Change from Rev. 0 IPC2 to New Rev. 0 IPC3

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 5-11-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tha Aguirre	[Signature]	174903	FA	5-11-16
Fabian Anaya	[Signature]	174903	FA	5-11-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	[Signature]	23958	VM	5/12/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	[Signature]	174903	FA	5-12-16
Waste Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	[Signature]	100497	EP	5-13-16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	[Signature]	174903	FA	5-13-16
Waste Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	[Signature]	100497	EP	5-14-16
Waste Operator (print)	Signature	Z#	Initials	Date

Fabian Anaya	[Signature]	174903	FA	5-14-16
Waste Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	[Signature]	100497	EP	5-15-16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon [Signature]	[Signature]	19958	LL	5-15-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-16-16 to 5-15-16

		Monday 6.[4] Start Time: _____	Tuesday 6.[4] Start Time: _____	Wednesday 6.[4] Start Time: <u>1316</u>	Thursday 6.[4] Start Time: <u>1321</u>	Friday 6.[4] Start Time: <u>1312</u>	Saturday 6.[4] Start Time: <u>1311</u>	Sunday 6.[4] Start Time: <u>1311</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number _____	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>510</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>
Ambient Temperature (6.[5])	_____ °F	_____ °F	<u>53.1</u> °F	<u>53.2</u> °F	<u>53.6</u> °F	<u>52.0</u> °F	<u>53.0</u> °F	
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	
LASB02198 68408			<u>51.7</u>	<u>53.1</u>	<u>52.0</u>	<u>50.8</u>	<u>52.4</u>	
68638			<u>53.4</u>	<u>51.9</u>	<u>54.0</u>	<u>52.0</u>	<u>53.6</u>	
69615			<u>54.0</u>	<u>53.7</u>	<u>55.5</u>	<u>53.8</u>	<u>55.2</u>	
69635			<u>54.9</u>	<u>53.9</u>	<u>55.1</u>	<u>53.1</u>	<u>55.0</u>	
69642			<u>55.0</u>	<u>54.1</u>	<u>56.0</u>	<u>53.5</u>	<u>55.3</u>	
69630			<u>54.1</u>	<u>53.9</u>	<u>55.2</u>	<u>52.7</u>	<u>54.3</u>	
69633			<u>54.1</u>	<u>53.7</u>	<u>55.0</u>	<u>52.6</u>	<u>54.6</u>	
68430			<u>54.7</u>	<u>53.1</u>	<u>55.8</u>	<u>53.4</u>	<u>55.1</u>	
68631			<u>52.6</u>	<u>51.8</u>	<u>53.2</u>	<u>50.8</u>	<u>52.3</u>	
69634			<u>52.4</u>	<u>51.0</u>	<u>53.1</u>	<u>50.6</u>	<u>51.6</u>	
68567			<u>52.3</u>	<u>51.4</u>	<u>53.8</u>	<u>51.5</u>	<u>52.4</u>	
94227			<u>52.3</u>	<u>51.8</u>	<u>53.9</u>	<u>51.2</u>	<u>53.0</u>	
LASB50442 68648			<u>53.4</u>	<u>52.4</u>	<u>54.7</u>	<u>52.2</u>	<u>54.0</u>	
69644			<u>55.2</u>	<u>53.2</u>	<u>54.9</u>	<u>52.3</u>	<u>54.1</u>	
LASB50443 69183			<u>53.8</u>	<u>52.7</u>	<u>55.1</u>	<u>52.8</u>	<u>53.9</u>	
69638			<u>53.1</u>	<u>53.4</u>	<u>54.0</u>	<u>51.8</u>	<u>53.7</u>	

N/A

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6.[4] Date: From 5-11-16 to 5-15-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	
TA-54-0375 Cell 2 (continued)								
68624			53.5	52.4	55.6	52.0	53.7	
68507			53.3	52.0	54.1	53.3	53.2	
69568			52.8	51.8	53.3	51.1	52.6	
69553			52.6	51.9	54.4	52.9	53.5	
69598			53.3	51.8	54.1	51.9	53.4	
LASB50559	92472	N/A	52.0	51.2	52.0	52.4	52.6	
	92459		52.4	51.1	52.1	51.3	52.1	
69015	52.4		52.2	53.7	51.2	52.8		
69639	53.0		52.1	53.3	51.2	53.0		
69637	53.1		52.4	54.8	52.6	53.4		
End Time (6.[14])			1324	1326	1317	1317	1316	
6.[14]	WO: _____		WO: _____	WO: <u>SA</u>	WO: <u>VOM</u>	WO: <u>EP</u>	WO: <u>EP</u>	WO: <u>EP</u>
	WO: _____		WO: _____	WO: <u>FA</u>	WO: <u>FR</u>	WO: <u>FA</u>	WO: <u>FA</u>	WO: <u>LA</u>

Comments:

UET

ATTACHMENT 3

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6.[4] Date: From 5-11-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Fran Aguirre	[Signature]	[Z#]	[Initials]	5-11-16
Fabian Anaya	[Signature]	174963	FA	5-11-16
Valerie Martinez	[Signature]	238958	VM	5/12/16
Fabian Anaya	[Signature]	174963	FA	5-12-16
Edward Pacheco	[Signature]	100497	EP	5-13-16
Fabian Anaya	[Signature]	174963	FA	5-13-16
Edward Pacheco	[Signature]	100497	EP	5-14-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	[Signature]	174963	FA	5-14-16
Edward Pacheco	[Signature]	100497	EP	5-15-16
[Signature]	[Signature]	195261	LM	5-15-16
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date
/	/	/	/	/

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-16-16 to 5-15-16

	Monday 6.[4] Start Time:	Tuesday 6.[4] Start Time:	Wednesday 6.[4] Start Time: <u>1308</u>	Thursday 6.[4] Start Time: <u>1315</u>	Friday 6.[4] Start Time: <u>1306</u>	Saturday 6.[4] Start Time: <u>1305</u>	Sunday 6.[4] Start Time: <u>1316</u>
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>
Ambient Temperature (6.[5])	_____ °F	_____ °F	<u>56.8</u> °F	<u>50.5</u> °F	<u>56.0</u> °F	<u>54.5</u> °F	<u>55.5</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519			<u>55.5</u>	<u>54.7</u>	<u>55.7</u>	<u>53.0</u>	<u>52.4</u>
69645			<u>54.4</u>	<u>52.8</u>	<u>55.5</u>	<u>52.2</u>	<u>53.5</u>
94068			<u>54.1</u>	<u>53.1</u>	<u>55.0</u>	<u>52.4</u>	<u>54.8</u>
93605			<u>54.7</u>	<u>54.4</u>	<u>56.4</u>	<u>53.8</u>	<u>54.7</u>
69548			<u>54.9</u>	<u>54.9</u>	<u>56.3</u>	<u>54.5</u>	<u>55.8</u>
69604			<u>55.6</u>	<u>54.2</u>	<u>56.6</u>	<u>53.6</u>	<u>55.8</u>
LASB50529 68665			<u>55.1</u>	<u>54.1</u>	<u>55.5</u>	<u>53.7</u>	<u>55.1</u>
LASB50418 69595			<u>55.3</u>	<u>55.9</u>	<u>55.6</u>	<u>54.0</u>	<u>55.5</u>
69036			<u>55.5</u>	<u>55.9</u>	<u>56.6</u>	<u>54.5</u>	<u>56.3</u>
LASB50451 69361			<u>55.7</u>	<u>55.5</u>	<u>56.9</u>	<u>54.2</u>	<u>56.5</u>
69559			<u>56.1</u>	<u>55.6</u>	<u>56.4</u>	<u>54.6</u>	<u>55.9</u>
LASB50448 69491			<u>56.6</u>	<u>55.4</u>	<u>56.6</u>	<u>53.8</u>	<u>56.0</u>

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6.[4] Date: From 5-11-16 to 5-15-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827			56.1	56.4	57.4	55.1	56.7
87826			56.3	56.4	57.2	55.0	56.7
87823			56.6	54.9	57.6	55.7	56.1
87825			57.4	56.0	57.8	55.5	57.9
End Time (6.[14])			1315	1320	1311	1310	1320
6.[14]	WO: _____ WO: _____	WO: _____ WO: _____	WO: <u>QA</u> WO: <u>PA</u>	WO: <u>VOM</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>CM</u>

Comments:

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6.[4] Date: From 5-11-16 to 5-15-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Gina Aguirre</u>	<u>[Signature]</u>	<u>174927</u>	<u>GA</u>	<u>5-11-16</u>
<u>Fabian Anaya</u>	<u>[Signature]</u>	<u>174963</u>	<u>FA</u>	<u>5-11-16</u>
<u>Valerie Martinez</u>	<u>[Signature]</u>	<u>639758</u>	<u>VM</u>	<u>5/12/16</u>
<u>Fabian Anaya</u>	<u>[Signature]</u>	<u>174963</u>	<u>FA</u>	<u>5-12-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>5-13-16</u>
<u>Fabian Anaya</u>	<u>[Signature]</u>	<u>174963</u>	<u>FA</u>	<u>5-13-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>5-14-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Anaya</u>	<u>[Signature]</u>	<u>174963</u>	<u>FA</u>	<u>5-14-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>5-15-16</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>174963</u>	<u>FA</u>	<u>5-15-16</u>
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date
/	/	/	/	/

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TA-54-0375 CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-16-16 to 5-22-16

	Monday 6.[4] Start Time: <u>1309</u>	Tuesday 6.[4] Start Time: <u>1320</u>	Wednesday 6.[4] Start Time:	Thursday 6.[4] Start Time:	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature(6.[5])	<u>56.3</u> °F	<u>52.3</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>52.5</u>	<u>52.8</u>					
LA0000070503	68540 <u>56.7</u>	<u>52.1</u>					
	68553 <u>56.5</u>	<u>52.4</u>					
69445	<u>57.3</u>	<u>52.7</u>					
69618	<u>56.7</u>	<u>51.7</u>					
69013	<u>56.3</u>	<u>51.7</u>					
LASB50522 69076	<u>55.2</u>	<u>51.1</u>					
LASB50452 69490	<u>55.0</u>	<u>50.4</u>					
LASB50431 69280	<u>54.5</u>	<u>49.6</u>					
LASB50069 69208	<u>56.3</u>	<u>51.1</u>					
LASB50073 69079	<u>55.4</u>	<u>50.5</u>					
69636	<u>54.1</u>	<u>49.6</u>					

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6.[4] Date: From 5-16-16 to 5-22-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell I (continued)							
69616	56.1	49.8					
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	56.0	50.9					
69520	55.2	50.3					
69641	55.5	50.1					
69298	54.2	49.3					
LASB02203 92669	52.6	49.1					
End Time (6.[14])	1314	1328					
6.[14]	WO: <u>GA</u> WO: <u>[Signature]</u>	WO: <u>VON</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 5-16-16 to 5-22-16

6.[18] Performed by: Tina Aguirre, The Aguirre Group, CA 5-16-16

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>19526</u>	<u>LM</u>	<u>5-16-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Valerie Norfinez</u>	<u>[Signature]</u>	<u>23953</u>	<u>VN</u>	<u>5-17-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>19526</u>	<u>LM</u>	<u>5-17-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-16-16 to 5-22-16

		Monday 6.[4] Start Time: <u>1315</u>	Tuesday 6.[4] Start Time: <u>1330</u>	Wednesday 6.[4] Start Time:	Thursday 6.[4] Start Time:	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2)(1)(B)	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>2-5-16</u> File Number <u>101974</u>	Brand <u>Fluke</u> Model <u>501</u> Cal. Due Date <u>7-5-10</u> File Number <u>101974</u>	Brand _____ Model _____ Cal. Due Date _____ File Number _____	Brand _____ Model _____ Cal. Due Date _____ File Number _____	Brand _____ Model _____ Cal. Due Date _____ File Number _____	Brand _____ Model _____ Cal. Due Date _____ File Number _____	Brand _____ Model _____ Cal. Due Date _____ File Number _____	Brand _____ Model _____ Cal. Due Date _____ File Number _____
Ambient Temperature (6.[5])	<u>52.2</u> °F	<u>50.4</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198 68408	<u>51.0</u>	<u>50.2</u>						
68638	<u>52.8</u>	<u>50.2</u>						
69615	<u>54.0</u>	<u>51.8</u>						
69635	<u>54.0</u> <u>54.3</u>	<u>51.9</u>						
69642	<u>54.0</u>	<u>51.9</u>						
69630	<u>53.2</u>	<u>51.4</u>						
69633	<u>53.7</u>	<u>51.0</u>						
68430	<u>55.3</u>	<u>52.3</u>						
68631	<u>51.8</u>	<u>49.5</u>						
69634	<u>50.5</u>	<u>49.3</u>						
68567	<u>51.4</u>	<u>49.0</u>						
94227	<u>52.3</u>	<u>50.2</u>						
LASB50442 68648	<u>52.9</u>	<u>51.0</u>						
69644	<u>53.4</u>	<u>51.3</u>						
LASB50443 69183	<u>52.9</u>	<u>51.1</u>						
69638	<u>52.7</u>	<u>51.0</u>						

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6.[4] Date: From 5-16-16 to 5-22-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	52.4	50.0					
68507	52.4	50.0					
69568	51.6	50.0					
69553	51.7	51.1					
69598	52.5	50.7					
LASB50559	92472	50.7	49.0				
	92459	50.4	49.2				
69015	51.8	50.1					
69639	51.9	50.10					
69637	51.8	50.3					
End Time (6.[14])	13:20	13:37					
6.[14]	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>V.001</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

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6.[4] Date: From 5-16-16 to 5-22-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
ling Aguiar		191524	LA	5-16-16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya		191524	LM	5-16-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez		191524	VM	5-17-16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya		191524	LM	5-17-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[4] Date: From 5-16-16 to 5-22-16

Monday 6.[4] Start Time: <u>1321</u>	Tuesday 6.[4] Start Time: <u>1345</u>	Wednesday 6.[4] Start Time:	Thursday 6.[4] Start Time:	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
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TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number <u>103867</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number <u>103867</u>	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:
Ambient Temperature (6.[5])	<u>55.4</u> °F	<u>53.2</u> °F	°F	°F	°F	°F	°F
(S) Temperature ≤ 75°F SR LESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>53.7</u>	<u>52.1</u>					
69645	<u>52.4</u>	<u>52.1</u>					
94068	<u>52.5</u>	<u>52.3</u>					
93605	<u>53.7</u>	<u>51.9</u>					
69548	<u>54.5</u>	<u>52.9</u>					
69604	<u>54.6</u>	<u>53.2</u>					
LASB50529 68665	<u>54.2</u>	<u>52.5</u>					
LASB50418 69595	<u>54.5</u>	<u>52.7</u>					
69036	<u>55.4</u>	<u>52.8</u>					
LASB50451 69361	<u>55.2</u>	<u>53.0</u>					
69559	<u>55.3</u>	<u>52.1</u>					
LASB50448 69491	<u>55.2</u>	<u>53.1</u>					

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6.[4] Date: From 5-6-16 to 5-22-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	56.0	53.5					
87826	56.1	53.3					
87823	56.1	53.0					
87825	56.2	54.7					
End Time (6.[14])	1324	1349					
6.[14]	WO: <u>OK</u> WO: <u>[Signature]</u>	WO: <u>Von</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

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6.[4] Date: From 5-16-16 to 5-22-16

6.[18] Performed by: Tina Aguirre 15-16-16

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Ken Montoya</u>	<u>[Signature]</u>	<u>V91526</u>	<u>Ken</u>	<u>5/16/16</u>
<u>Valene Martinez</u>	<u>[Signature]</u>	<u>23958</u>	<u>Val</u>	<u>5/17/16</u>
<u>Ken Montoya</u>	<u>[Signature]</u>	<u>V91526</u>	<u>Ken</u>	<u>5/17/16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date